

Report Examples

Oil Analysis



MOBILE EQUIPMENT

Mr AB Citizen
PO Box 284
Isando
1600

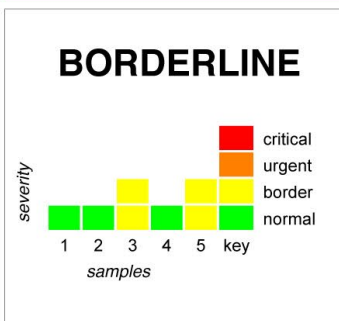
Vehicle : NP128186
Alt. ID : SJNFAAJ10Z2806438
Model : Nissan
Component : Engine
Model : 1.6 Visia

KWAZULU-NATAL:
P.O. BOX 15108
WESTMEAD 3608
TEL: (031) 700 5460
FAX: (031) 700 5471

GAUTENG:
P.O. BOX 284
ISANDO 1600
TEL: (011) 392 6322
FAX: (011) 392 6340

Code : 7SUNDY
Job No. :
Site : Pinetown
Oil : Helix HX5 15W40
Fuel Type : Petrol

PROBLEM SEVERITY



DIAGNOSIS

5.) Sample Number SS25919 on 19.01.2017 smr 105246 KM
Wear rates are normal. Tests indicate oil nearing the end of useful service life. Change the oil. Please return feedback. **** Oil and filters changed. Oil in use Helix HX5 15W40.

PREVIOUS HISTORY

DIAGNOSES

- 1.) Sample Number SS17595 on 24.03.2014 smr 15167 HRS
The oil in use appears to be the original fill.
Wear rates are normal for a unit bedding in. Silicon level probably from a silicone type assembly grease or compound.
- 2.) Sample Number SS17777 on 22.09.2014 smr 29862 HRS
Wear rates are normal for a unit bedding in. Silicon level probably from a silicone type assembly grease or compound. The sample provided appears free from unacceptable contamination or degradation.
- 3.) Sample Number SS17978 smr 45091 HRS
Viscosity appears low for this grade of oil. Wear rates are normal. Tests indicate oil nearing the end of useful service life. Change the oil. Please return feedback.
- 4.) Sample Number SS25393 on 25.02.2016 smr 73003 KM
Wear rates are normal and the sample provided appears free from unacceptable contamination or degradation.

FEEDBACK

PTO

WEARCHECK IS AN ISO 9001 AND ISO 14001 REGISTERED COMPANY

SABS | ISO 9001 | ISO 14001 | SANS 17025
Quality Form ds74 | Revision Date: March 2017



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Oil Analysis



Condition Monitoring Specialists

A Part of Torre Industries

Vehicle : NP128186 - ENGINE - Alt ID. : SJNFAAJ10Z2806438

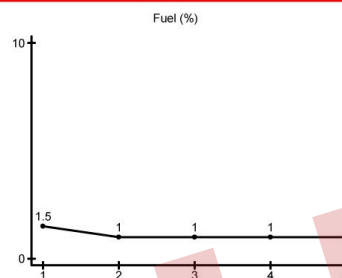
SAMPLE NUMBER	DATE SAMPLED	LAB DATE	OIL CONSUMPTION	SMR	UNITS	OIL IN SERVICE	FILTER CHANGE	OIL DRAIN	RRI	
1	SS17595	24.03.14	25.03.14	-	15167	HRS	15167	Yes	Yes	250
2	SS17777	22.09.14	25.09.14	-	29862	HRS	14695	Yes	Yes	250
3	SS17978		26.03.15	-	45091	HRS	-	No	No	250
4	SS25393	25.02.16	25.02.16	-	73003	KM	12821	No	No	10000
5	SS25919	19.01.17	19.01.17	-	105246	KM	-	No	No	10000

WEAR METALS

Sample	Iron	Chromium	Nickel	Molybdenum	Aluminium	Copper	Tin	Lead	Vanadium	Bismuth	PO Index
1	109	3	0	76	16	44	2	0	1	0	26
2	34	1	1	11	8	14	0	3	2	0	19
3	25	1	1	4	7	9	0	2	0	0	20
4	21	0	1	5	6	12	0	2	0	0	22
5	16	0	1	4	5	11	0	2	0	0	5

30 spectrometric analyses are carried out on all samples but only relevant results are reported in parts per million.

FUEL



CONTAMINANTS

Sample	Silicon	Sodium	Manganese	Soot Value	Soot %	Oxidation	Sulphate	Nitrates	Fuel (%)	Water (%)
1	191	5	6	0	0.0	21	34	13	1.5	ND
2	36	4	4	0	0.0	22	35	16	<1	0.0
3	19	3	6	0	0.0	24	37	16	<1	ND
4	16	1	5	0	0.0	26	40	17	<1	ND
5	12	3	2	0	0.0	26	38	17	<1	ND

30 spectrometric analyses are carried out on all samples but only relevant results are reported in parts per million.

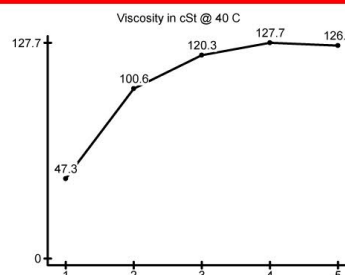
ADDITIVES & LUBRICANT CONDITION

Sample	Magnesium	Calcium	Zinc	Phosphorous	Barium	Boron	Sulphur	TBN(D4799)	TBN by FTIR
1	10	1486	817	628	14	3	4741	2.9	
2	15	2837	1303	1013	3	244	6744	6.5	
3	12	2966	1344	1114	0	215	5997	6.9	
4	13	3394	1307	1027	0	214	6579	5.5	
5	10	3332	1247	1052	0	228	7045	6.5	

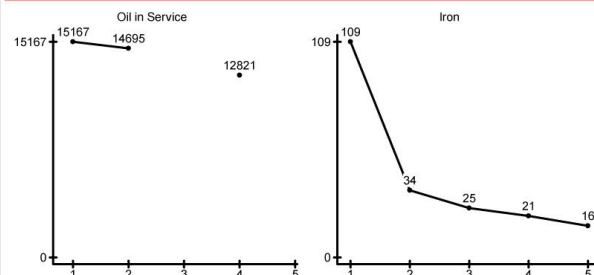
30 spectrometric analyses are carried out on all samples but only relevant results are reported in parts per million.

VISCOSITY

Sample	Viscosity in cSt @ 40 C	Viscosity in cSt @ 100 C
1	47.3	13.6
2	100.6	13.4
3	120.3	14.9
4	127.7	15.3
5	126.0	15.2



GRAPHICAL REPRESENTATION OF KEY DATA



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Requested by kaym

SABS | ISO 9001 | ISO 14001 | SANS 17025
Quality Form ds74 | Revision Date: March 2017

