WEAR CHECK®

Condition Monitoring Specialists

MOBILE EQUIPMENT

PROBLEM SEVERITY

NORMAL

Ms N Mathunjwa [Nosipho]
JHB Cash Customer
P O Box 284
Isando
1600

Vehicle	: BMW F10 M5 2013	Code	: 1JBCOD
Alt. ID	: - -	Job No.	: -
Model	: B.M.W. F10 M5 2013	Site	: -
Component	: ENGINE	Oil	: RAVEMOL UST 5W40
Model	: B.M.W.	Fuel Type	:

severity / samples / key

- critical
- urgent
- border
- normal
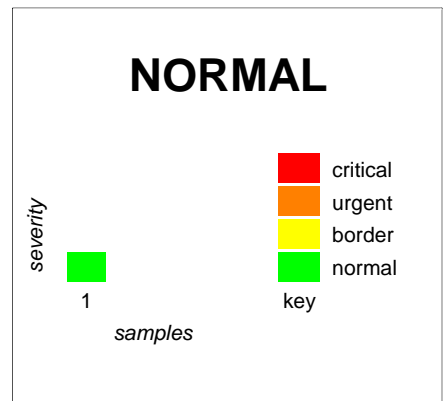
DIAGNOSIS

1.) Sample Number SS36760 on 09.10.2020 smr - HRS
Please supply service meter reading. The period oil has been in use is
unknown. Wear rates appear normal. Slight fuel dilution evident.

PREVIOUS HISTORY

DIAGNOSES

FEEDBACK

Vehicle: BMW F10 M5 2013 - ENGINE - Alt. ID: - -

	SAMPLE NUMBER	DATE SAMPLED	LAB DATE	OIL CONSUMPTION	SMR	UNITS	OIL IN SERVICE	FILTER CHANGE	OIL DRAIN	RRI
1	SS36760	09.10.20	12.10.20	0.50	-	HRS	-	Yes	Yes	250

WEAR METALS | FUEL

Too few values to plot Fuel (%)

Sample	Iron	Chromium	Nickel	Aluminium	Copper	Tin	Lead	Bismuth	PQ Index
1	26	2	0	11	5	2	0	0	5

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

CONTAMINANTS | -

Sample	Silicon	Sodium	Manganese	Soot Value	Soot %	Oxidation	Sulphate	Nitrates	Fuel (%)	Water (%)
1	9	7	96	0	0.0	29	31	12	3.0	ND

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

ADDITIVES & LUBRICANT CONDITION | VISCOSITY

Too few values to plot Viscosity in cSt @ 40 C

Sample	Magnesium	Calcium	Molybdenum	Zinc	Phosphorous	Boron	Sulphur	TBN by FTIR	Viscosity in cSt @ 40 C	Viscosity in cSt @ 100 C	Viscosity Index
1	185	2377	96	972	819	81	2455	6.7	66.5	11.7	173

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

GRAPHICAL REPRESENTATION OF KEY DATA

Too few values to plot Oil in Service   Too few values to plot Iron