MOB II LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD 515414
Component
Gasoline Engine
Fluid
PETRO CANADA SUPREME 5W30 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

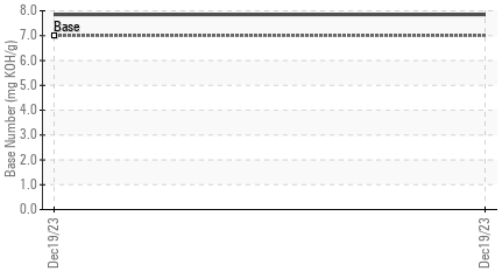
There is no indication of any contamination in the oil.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

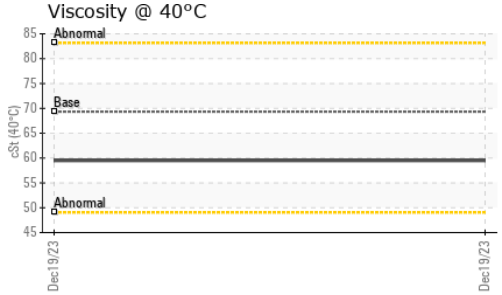
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0085564	---	---
Sample Date		Client Info		19 Dec 2023	---	---
Machine Age	kms	Client Info		3299	---	---
Oil Age	kms	Client Info		0	---	---
Filter Age	kms	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---
Iron	ppm	ASTM D5185(m)	>150	2	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>40	1	---	---
Lead	ppm	ASTM D5185(m)	>50	0	---	---
Copper	ppm	ASTM D5185(m)	>155	4	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>30	21	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	4.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	14.5	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)	>400	2	---	---
Boron	ppm	ASTM D5185(m)	186	171	---	---
Barium	ppm	ASTM D5185(m)	<1	0	---	---
Molybdenum	ppm	ASTM D5185(m)	79	70	---	---
Manganese	ppm	ASTM D5185(m)	0	0	---	---
Magnesium	ppm	ASTM D5185(m)	578	471	---	---
Calcium	ppm	ASTM D5185(m)	1002	1129	---	---
Phosphorus	ppm	ASTM D5185(m)	745	595	---	---
Zinc	ppm	ASTM D5185(m)	837	668	---	---
Sulfur	ppm	ASTM D5185(m)	2502	2268	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	8.1	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	7.0	7.85	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	69.33	59.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.42	10.6	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	159	169	---	---

Base Number

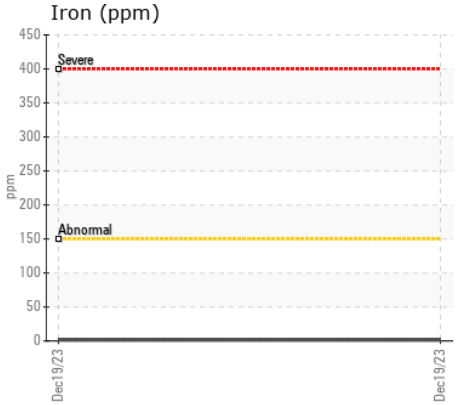


Viscosity @ 100°C

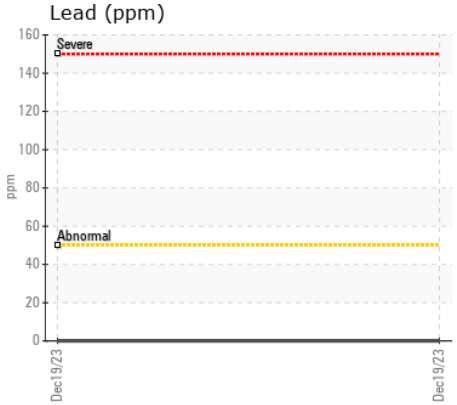
Viscosity @ 40°C



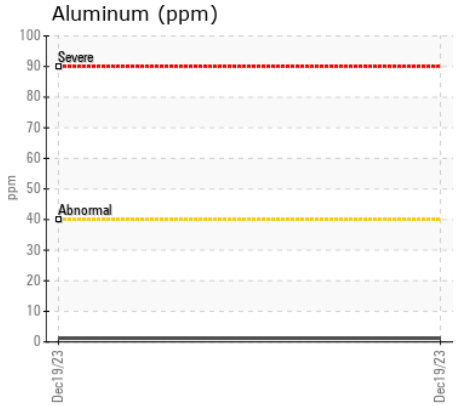
Iron (ppm)



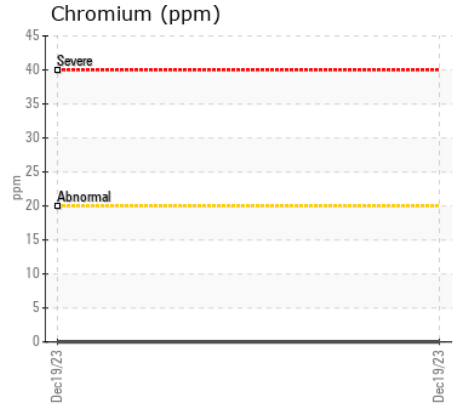
Lead (ppm)



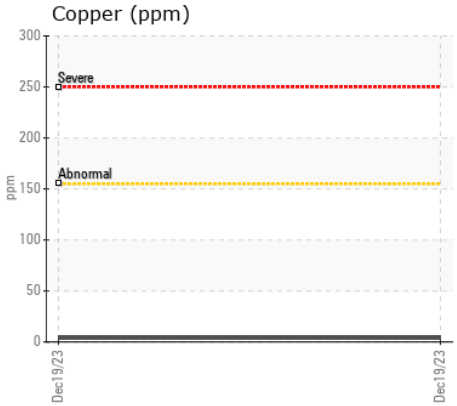
Aluminum (ppm)



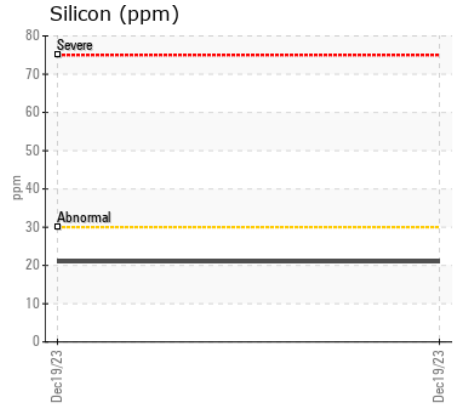
Chromium (ppm)



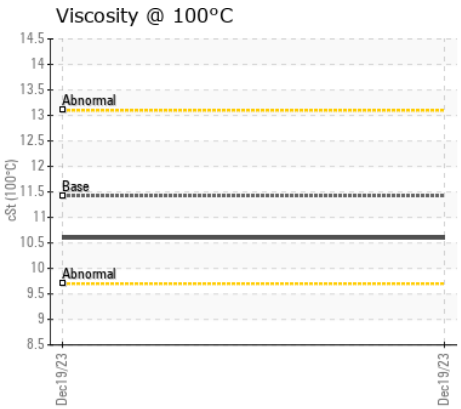
Copper (ppm)



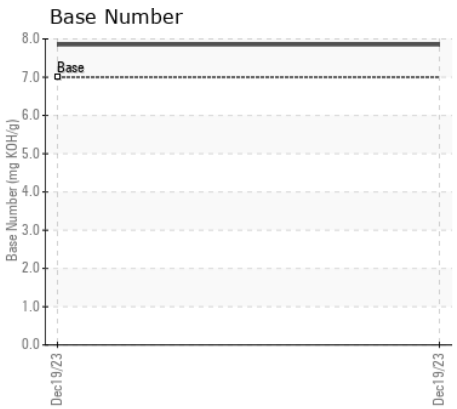
Silicon (ppm)



Viscosity @ 100°C



Base Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Petro-Canada Technical/Behshad Sabah**
Sample No. : PC0085564 **Recieved** : 27 Dec 2023
Lab Number : 02605277 **Diagnosed** : 28 Dec 2023
Unique Number : 5698362 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

Mississauga, ON
CA L5J 1K2
Contact: Behshad Sabah
Behshad.Sabah@hfsinclair.com
T: (905)716-2158
F: (905)403-6740