MOB I LUBE 360™ OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
811025
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.

WEAR

Les taux d`usure de tous les composants sont normaux.

CONTAMINATION

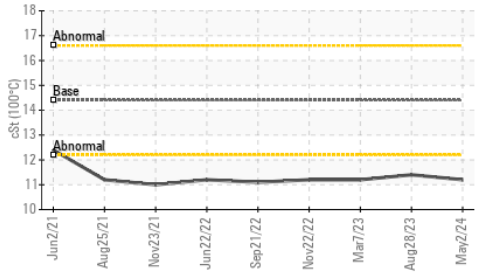
Les tests n`indiquent aucune trace de carburant dans l`huile. Il n`y a aucun indice de contamination dans l`huile.

FLUID CONDITION

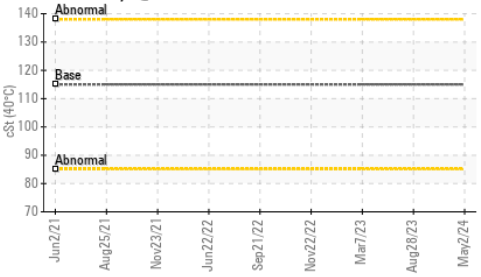
La viscosité de l'échantillon se situe dans la portée de l'SAE 10W30; nous vous conseillons de vérifier. L`état de l`huile est acceptable pour la durée de service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0082212	GFL0081342	GFL0070795
Sample Date		Client Info		02 May 2024	28 Aug 2023	07 Mar 2023
Machine Age	hrs	Client Info		6318	108460	88598
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>80	29	20	18
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	7	5	7
Lead	ppm	ASTM D5185(m)	>30	0	<1	0
Copper	ppm	ASTM D5185(m)	>150	2	2	1
Tin	ppm	ASTM D5185(m)	>5	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>20	4	3	3
Potassium	ppm	ASTM D5185(m)	>20	6	6	8
Fuel	%	ASTM D7593*	>5	0.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.3	0.5	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.0	8.8	8.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.9	21.7	21.6
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>158	2	2	2
Boron	ppm	ASTM D5185(m)	250	4	4	4
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	61	62	62
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	990	1003	973
Calcium	ppm	ASTM D5185(m)	3000	1117	1085	1151
Phosphorus	ppm	ASTM D5185(m)	1150	984	1040	1103
Zinc	ppm	ASTM D5185(m)	1350	1205	1192	1215
Sulfur	ppm	ASTM D5185(m)	4250	2491	2437	2656
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.0	16.1	15.4
Visc @ 40°C	cSt	ASTM D7279(m)	115	▲ 74.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ 11.2	11.4	11.2
Viscosity Index (VI)	Scale	ASTM D2270*	126	142	---	---

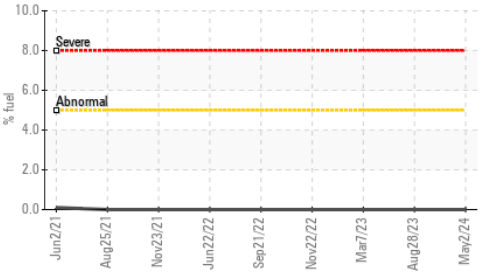
Viscosity @ 100°C



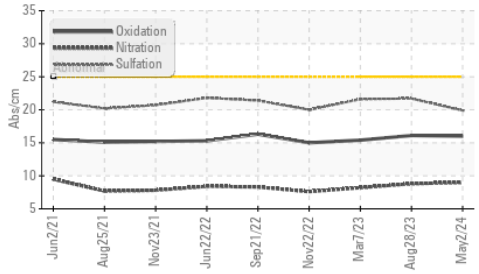
Viscosity @ 40°C



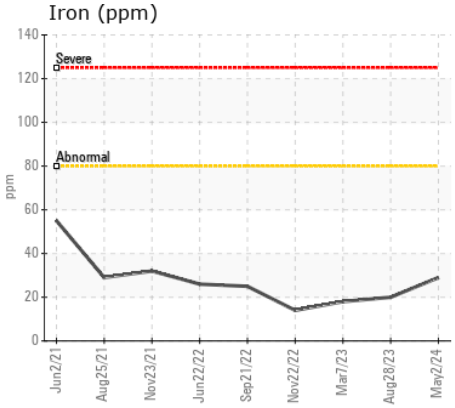
Fuel Dilution



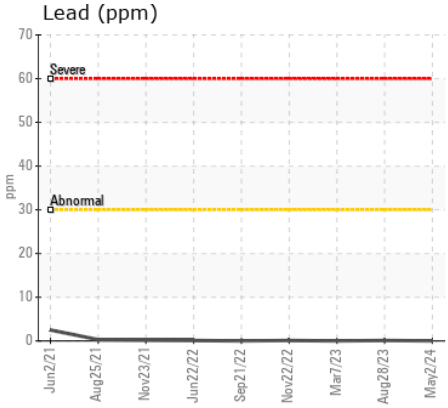
FT-IR (Direct Trend)



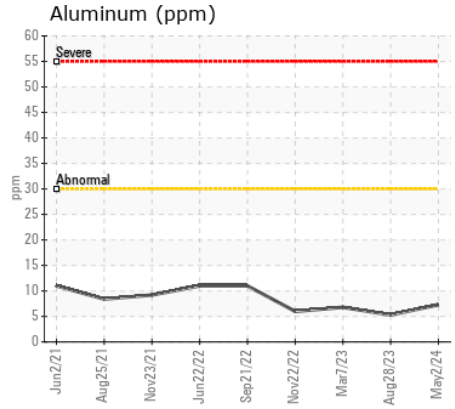
Iron (ppm)



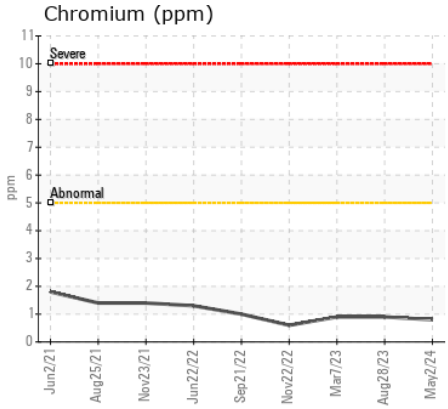
Lead (ppm)



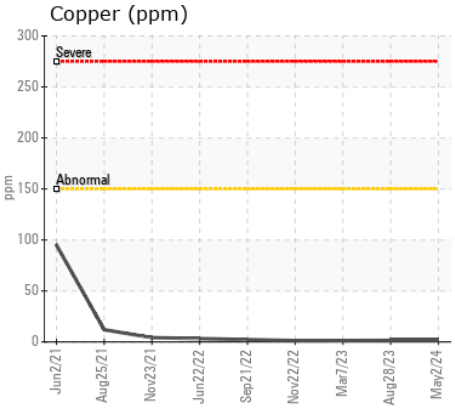
Aluminum (ppm)



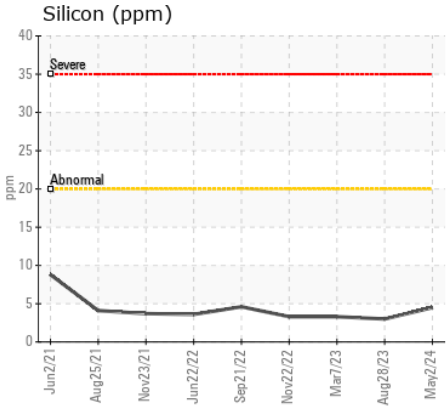
Chromium (ppm)



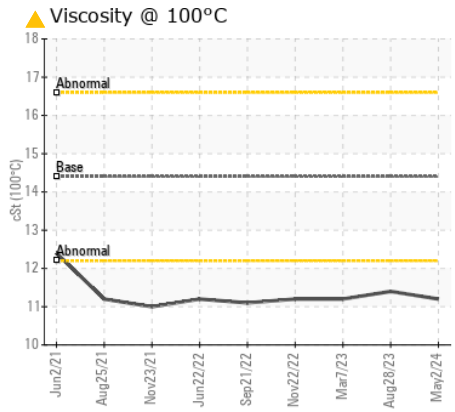
Copper (ppm)



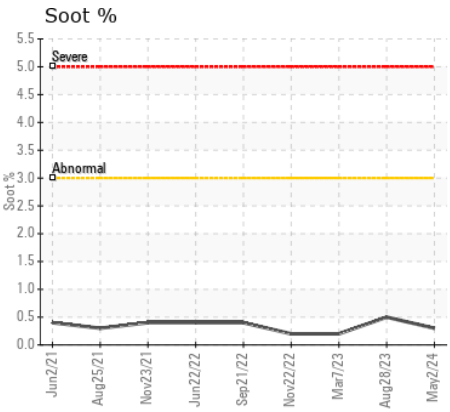
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082212
Lab Number : 02634507
Unique Number : 5775660
Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

Received : 10 May 2024
Tested : 13 May 2024
Diagnosed : 13 May 2024 - Kevin Marson

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.

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