MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
5573
Component
Left Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (40 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

WEAR

All component wear rates are normal.

CONTAMINATION

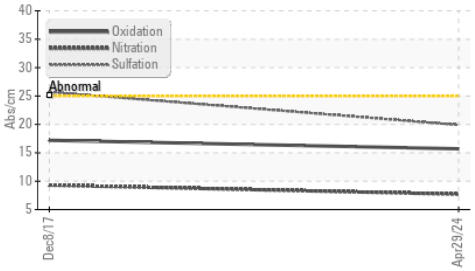
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

FLUID CONDITION

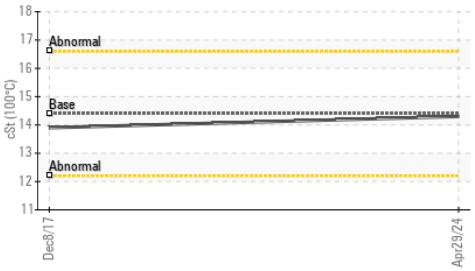
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0118499	PC415478	---
Sample Date		Client Info		29 Apr 2024	08 Dec 2017	---
Machine Age	hrs	Client Info		24850	3476	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>200	6	12	---
Chromium	ppm	ASTM D5185(m)	>20	<1	2	---
Nickel	ppm	ASTM D5185(m)	>2	0	<1	---
Titanium	ppm	ASTM D5185(m)	>2	0	<1	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>30	3	6	---
Lead	ppm	ASTM D5185(m)	>30	0	<1	---
Copper	ppm	ASTM D5185(m)	>30	<1	31	---
Tin	ppm	ASTM D5185(m)	>15	0	2	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Silicon	ppm	ASTM D5185(m)	>30	2	3	---
Potassium	ppm	ASTM D5185(m)	>20	6	14	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	0.0	---
Soot %	%	ASTM D7844*	>3	0.3	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	7.7	9.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.9	25.7	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)	>216	2	1	---
Boron	ppm	ASTM D5185(m)	250	4	1	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	61	63	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	450	984	1002	---
Calcium	ppm	ASTM D5185(m)	3000	1129	1086	---
Phosphorus	ppm	ASTM D5185(m)	1150	1031	997	---
Zinc	ppm	ASTM D5185(m)	1350	1231	1304	---
Sulfur	ppm	ASTM D5185(m)	4250	2574	2229	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.7	17.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.3	13.9	---

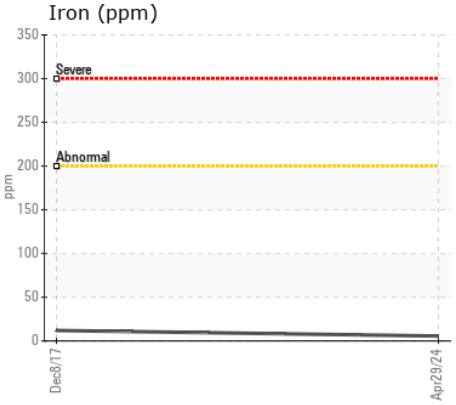
FT-IR (Direct Trend)



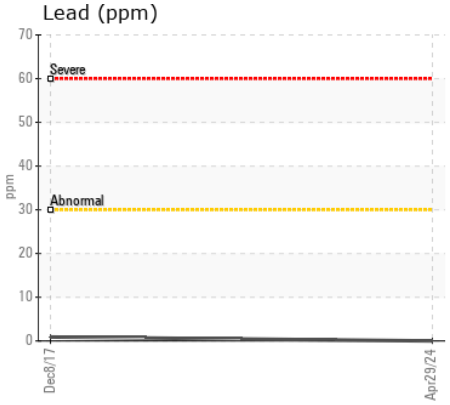
Viscosity @ 100°C



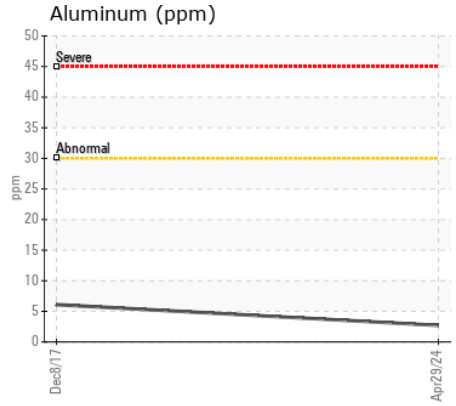
Iron (ppm)



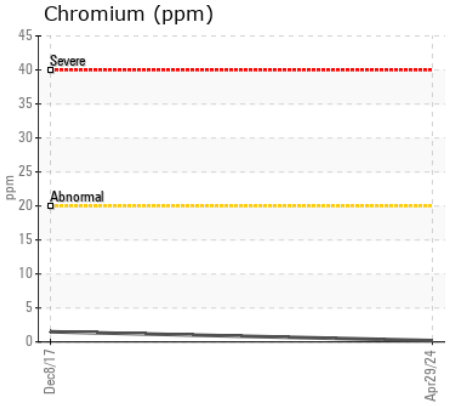
Lead (ppm)



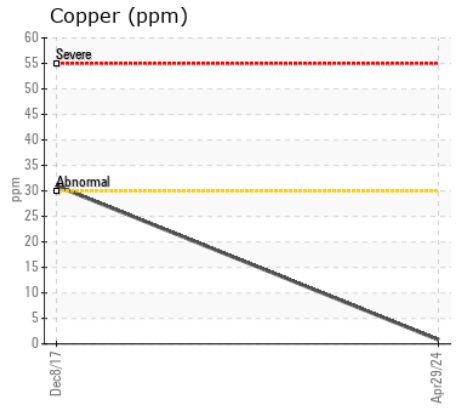
Aluminum (ppm)



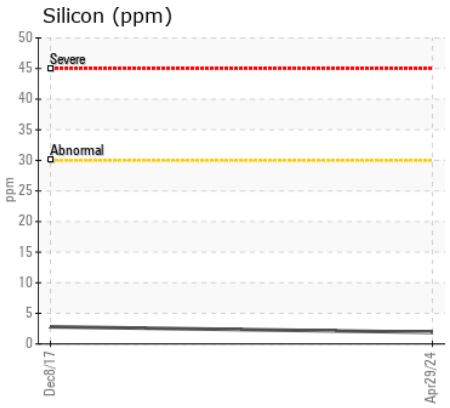
Chromium (ppm)



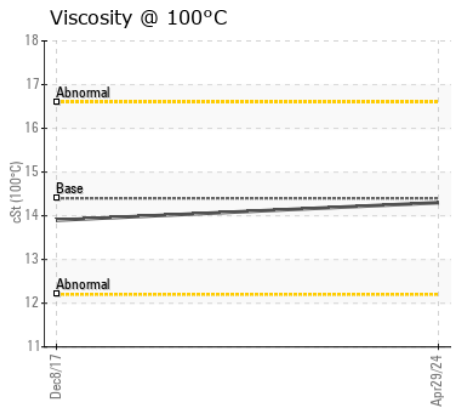
Copper (ppm)



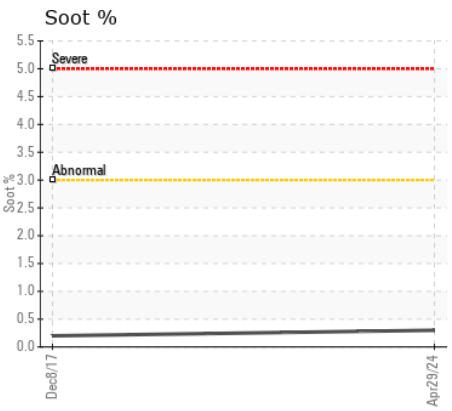
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0118499
Lab Number : 02632214
Unique Number : 5773367
Test Package : MOB 1

Received : 30 Apr 2024
Tested : 30 Apr 2024
Diagnosed : 30 Apr 2024 - Wes Davis

GFL Environmental - 207 - Pickering SW
1034 TOY AVENUE, PICKERING YARD
PICKERING, ON
CA L1W 3P1
Contact: Jamie Holder
jholder2@gflenv.com
T:
F:

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.