MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
833066
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

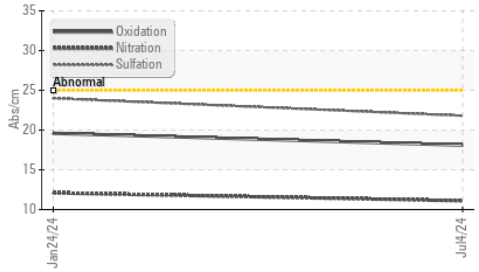
There is no indication of any contamination in the oil.

FLUID CONDITION

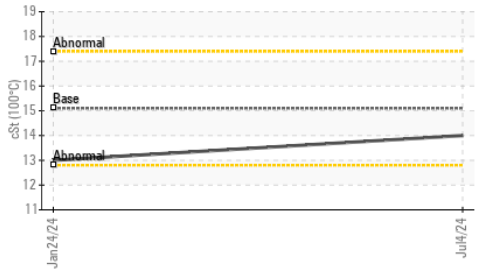
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0118905	GFL0094402	---
Sample Date		Client Info		04 Jul 2024	24 Jan 2024	---
Machine Age	hrs	Client Info		1599	1079	---
Oil Age	hrs	Client Info		1200	1079	---
Filter Age	hrs	Client Info		1200	1079	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>50	20	70	---
Chromium	ppm	ASTM D5185(m)	>4	<1	1	---
Nickel	ppm	ASTM D5185(m)	>2	<1	2	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>9	2	6	---
Lead	ppm	ASTM D5185(m)	>30	<1	2	---
Copper	ppm	ASTM D5185(m)	>35	4	19	---
Tin	ppm	ASTM D5185(m)	>4	0	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Silicon	ppm	ASTM D5185(m)	>+100	6	32	---
Potassium	ppm	ASTM D5185(m)	>20	<1	3	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	11.1	12.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.8	24.0	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		3	4	---
Boron	ppm	ASTM D5185(m)	50	8	6	---
Barium	ppm	ASTM D5185(m)	5	<1	3	---
Molybdenum	ppm	ASTM D5185(m)	50	57	105	---
Manganese	ppm	ASTM D5185(m)	0	2	12	---
Magnesium	ppm	ASTM D5185(m)	560	505	680	---
Calcium	ppm	ASTM D5185(m)	1510	1455	1304	---
Phosphorus	ppm	ASTM D5185(m)	780	621	695	---
Zinc	ppm	ASTM D5185(m)	870	864	816	---
Sulfur	ppm	ASTM D5185(m)	2040	1947	2353	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.1	19.6	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.0	13.0	---

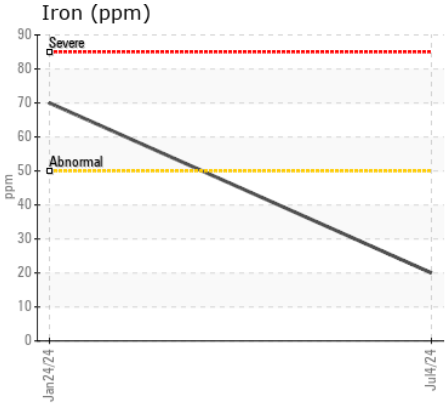
FT-IR (Direct Trend)



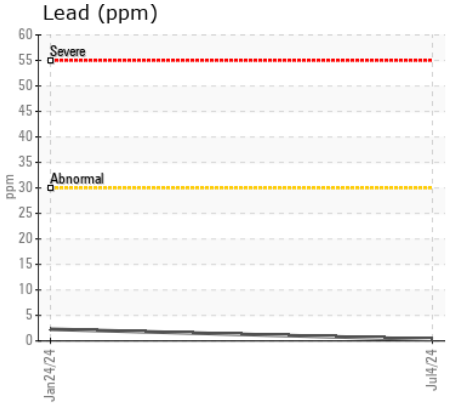
Viscosity @ 100°C



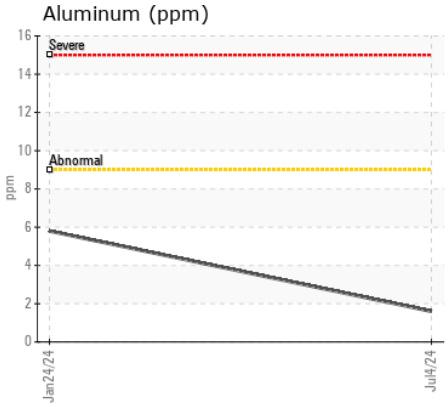
Iron (ppm)



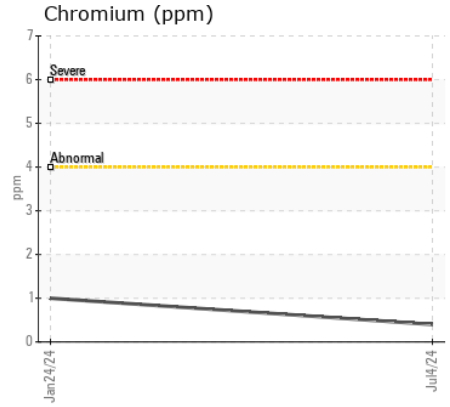
Lead (ppm)



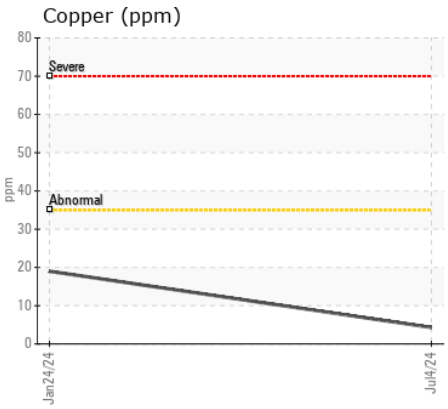
Aluminum (ppm)



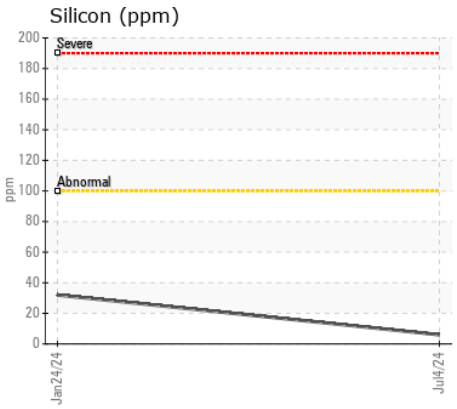
Chromium (ppm)



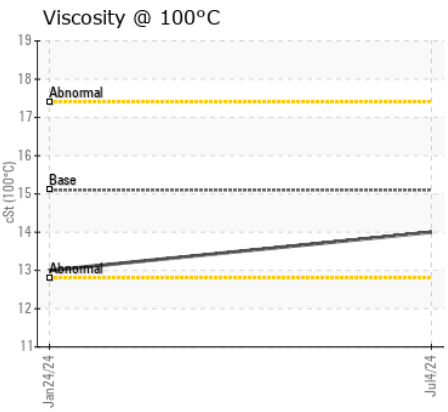
Copper (ppm)



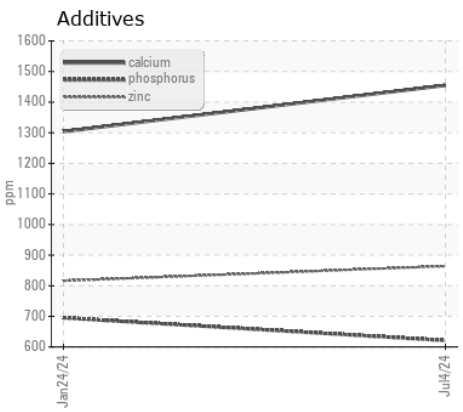
Silicon (ppm)



Viscosity @ 100°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: GFL0118905	**Received**	: 05 Jul 2024
Lab Number	: 02645828	**Tested**	: 05 Jul 2024
Unique Number	: 5803367	**Diagnosed**	: 05 Jul 2024 - Wes Davis
Test Package	: MOB 1		

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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