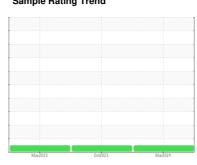


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id 51967 Component

Diesel Engine

## PETRO CANADA DURON SHP 10W30 (--- LTR)

### Recommendation

Resample at the next service interval to monitor.

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

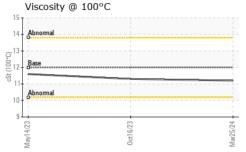
### **Fluid Condition**

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

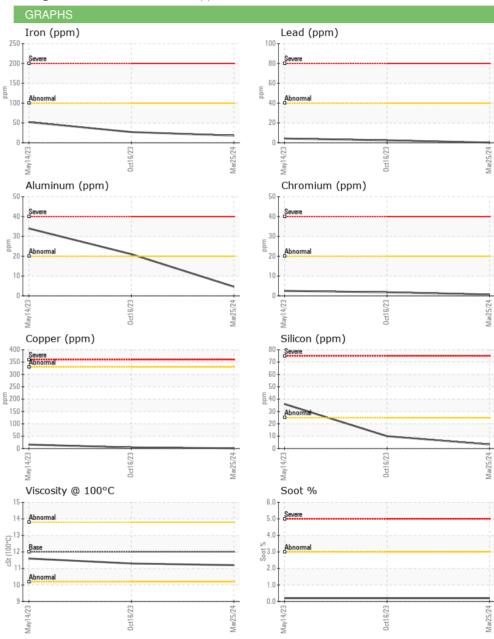
LTR)		Ma	2023	Oct2023 Mar20	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0915056	WC0848064	WC0837234
Sample Date		Client Info		25 Mar 2024	16 Oct 2023	14 May 2023
Machine Age	mls	Client Info		128992	66187	33277
Oil Age	mls	Client Info		29286	32910	30780
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	18	27	52
Chromium	ppm	ASTM D5185(m)	>20	<1	2	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	5	21	34
Lead	ppm	ASTM D5185(m)	>40	<1	2	4
Copper	ppm	ASTM D5185(m)	>330	<1	5	16
Tin	ppm	ASTM D5185(m)	>15	<1	1	3
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	4	4	35
Barium	ppm	ASTM D5185(m)	0	0	<1	4
Molybdenum	ppm	ASTM D5185(m)	50	60	60	63
Manganese	ppm	ASTM D5185(m)	0	0	<1	5
Magnesium	ppm	ASTM D5185(m)	950	986	940	470
Calcium	ppm	ASTM D5185(m)	1050	1049	1130	1705
Phosphorus	ppm	ASTM D5185(m)	995	988	973	995
Zinc	ppm	ASTM D5185(m)		1195	1216	1168
Sulfur	ppm	ASTM D5185(m)	2600	2335	2247	2281
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	10	36
Sodium	ppm	ASTM D5185(m)		1	2	4
Potassium	ppm	ASTM D5185(m)	>20	6	54	96
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.2	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	8.8	9.4	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.3	21.3	23.3



## **OIL ANALYSIS REPORT**









CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02626387 Unique Number : 5759519

: WC0915056

Test Package : MOB 1

Received **Tested** 

: 03 Apr 2024 : 03 Apr 2024 Diagnosed

: 03 Apr 2024 - Wes Davis

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 MANITOULIN TRANSPORT (GARAGE) 1335 SHAWSON DRIVE MISSISSAUGA, ON

CA L4W 1C4 Contact: Travis Spence

tspence@manitoulintransport.com T:

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.

F: (905)564-6361