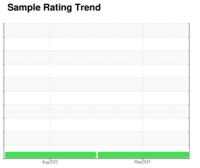


## **OIL ANALYSIS REPORT**

## \DT









Machine Id
OR859
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

# DIAGNOSIS

### 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

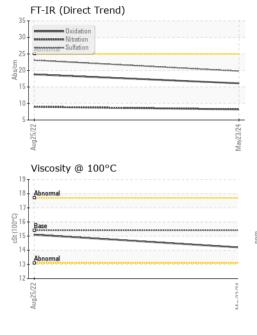
## **Fluid Condition**

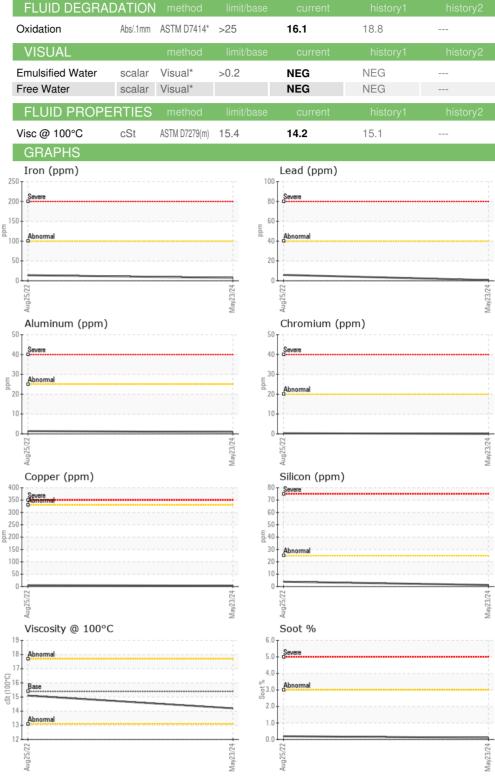
The condition of the oil is acceptable for the time in service.

N SHP 15W40 (-	GAL)	-	Aug <sup>2</sup> 022	May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0100570	GFL0054639	
Sample Date		Client Info		23 May 2024	25 Aug 2022	
Machine Age	hrs	Client Info		11720	10896	
Oil Age	hrs	Client Info		677	826	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>100	7	14	
Chromium	ppm	ASTM D5185(m)	>20	0	<1	
Nickel	ppm	ASTM D5185(m)	>2	0	0	
Titanium	ppm	ASTM D5185(m)	>2	0	<1	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>25	<1	1	
_ead	ppm	ASTM D5185(m)	>40	<1	6	
Copper	ppm	ASTM D5185(m)	>330	4	5	
Γin	ppm	ASTM D5185(m)	>15	0	<1	
Antimony	ppm	ASTM D5185(m)		0	<1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	12	27	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	60	44	40	
Manganese	ppm	ASTM D5185(m)	0	0	<1	
Magnesium	ppm	ASTM D5185(m)	1010	733	644	
Calcium	ppm	ASTM D5185(m)	1070	1348	1531	
Phosphorus	ppm	ASTM D5185(m)	1150	948	956	
Zinc	ppm	ASTM D5185(m)	1270	1144	1198	
Sulfur	ppm	ASTM D5185(m)	2060	2485	2661	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	1	4	
Sodium	ppm	ASTM D5185(m)		4	9	
Potassium	ppm	ASTM D5185(m)	>20	2	3	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.1	0.2	
Vitration	Abs/cm	ASTM D7624*	>20	8.2	9.0	
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.8	23.1	



## **OIL ANALYSIS REPORT**







CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02637896 Unique Number : 5787058 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 575 - Squamish Hauling : GFL0100570

Received **Tested** 

Diagnosed

: 28 May 2024 : 28 May 2024

: 28 May 2024 - Wes Davis

38950 Queens Way, Squamish, BC **CA V8B 0K8** Contact: Dean Imbeau

dimbeau@gflenv.com T: (604)892-5604

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: (604)892-5238