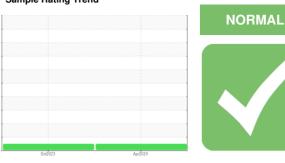


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id
815006
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

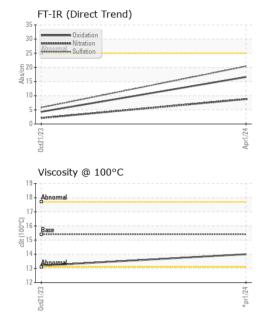
Fluid Condition

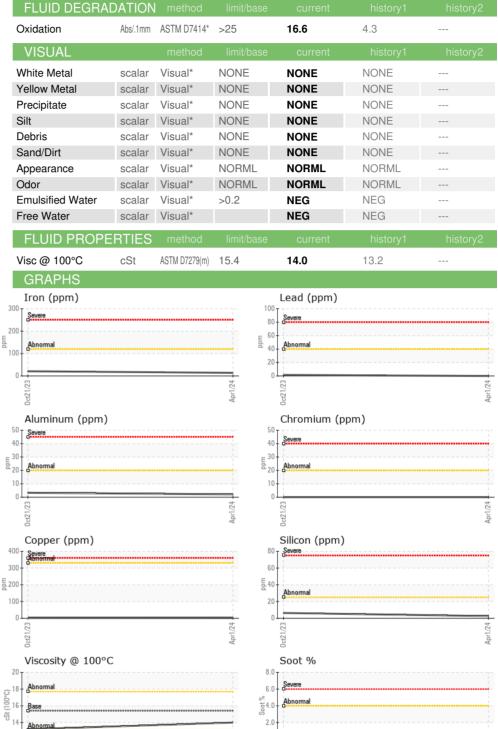
The condition of the oil is acceptable for the time in service.

N SHP 15W40 (GAL)	L	0ct2023	Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0080087	GFL0095029	
Sample Date		Client Info		01 Apr 2024	21 Oct 2023	
Machine Age	hrs	Client Info		16084	14891	
Oil Age	hrs	Client Info		600	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
-uel		WC Method	>3.0	<1.0	<1.0	
Nater		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)	>120	14	21	
Chromium	ppm	ASTM D5185(m)	>20	0	0	
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	
Titanium	ppm	ASTM D5185(m)	>2	0	0	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>20	2	3	
Lead	ppm	ASTM D5185(m)	>40	0	2	
Copper	ppm	ASTM D5185(m)	>330	1	2	
Γin	ppm	ASTM D5185(m)	>15	0	<1	
Antimony	ppm	ASTM D5185(m)		0	<1	
√anadium	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	2	20	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	60	60	46	
Manganese	ppm	ASTM D5185(m)	0	<1	0	
Magnesium	ppm	ASTM D5185(m)	1010	972	577	
Calcium	ppm	ASTM D5185(m)	1070	1050	1476	
Phosphorus	ppm	ASTM D5185(m)	1150	929	747	
Zinc	ppm	ASTM D5185(m)	1270	1180	903	
Sulfur	ppm	ASTM D5185(m)	2060	2255	2083	
_ithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	6	
Sodium	ppm	ASTM D5185(m)		4	4	
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0	0	
Nitration	Abs/cm	ASTM D7624*	>20	8.8	2.1	



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Sample No.

Laboratory

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 577 - First Class Lab Number : 02636845

Oct21/23

: GFL0080087 Unique Number : 5786007

Test Package : MOB 1 (Additional Tests: Visual)

Received **Tested** Diagnosed

: 22 May 2024 : 22 May 2024

: 22 May 2024 - Wes Davis

0.0

8540 Chilliwack Mountain Rd, Chilliwack, BC **CA V2R 3W8**

Contact: Derek Jessop djessop@gflenv.com T: (604)798-5301

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.