

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id
524002
Component
Diesel Engine
Fluid

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

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.

▲ Fluid Condition

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

N SHP 15W40 (-	·	May2020 Au				
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113217	GFL0097322	GFL006589
Sample Date		Client Info		30 Apr 2024	16 Nov 2023	15 Dec 2022
Machine Age	hrs	Client Info		0	0	19001
Oil Age	hrs	Client Info		20309	19972	528
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
WEAR METAI	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>120	8	10	12
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	6	2	2
Titanium	ppm	ASTM D5185(m)	>2	<1	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	3	3	7
_ead	ppm	ASTM D5185(m)	>40	0	2	1
Copper	ppm	ASTM D5185(m)	>330	2	3	3
Γin	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	<1
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)	0	34	18	4
Barium	ppm	ASTM D5185(m)	0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	60	45	42	59
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	492	538	930
Calcium	ppm	ASTM D5185(m)	1070	1704	1651	1120
Phosphorus	ppm	ASTM D5185(m)	1150	717	725	1041
Zinc	ppm	ASTM D5185(m)		854	892	1169
Sulfur	ppm	ASTM D5185(m)		2079	1966	2392
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	5	4
Sodium	ppm	ASTM D5185(m)		2	4	6
Potassium	ppm	ASTM D5185(m)	>20	1	2	6
Olassiaiii		ACTM DZE00*	>3.0	0.0	1	<1.0
	%	ASTM D7593*	<i>></i> 0.0			1110
	%	method	limit/base	current	history1	
Fuel INFRA-RED	%					history2
Fuel		method	limit/base >4	current	history1	history2



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02632512 Unique Number : 5773665

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : GFL0113217 Received

:01 May 2024 **Tested** : 03 May 2024 Diagnosed

: 03 May 2024 - Kevin Marson Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel, Visual)

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.

Windsor, ON **CA N8W 5H8** Contact: Dave Varga dvarga@gflenv.com T: (519)944-8009

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