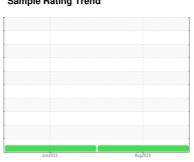


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id **WL0098-492** Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

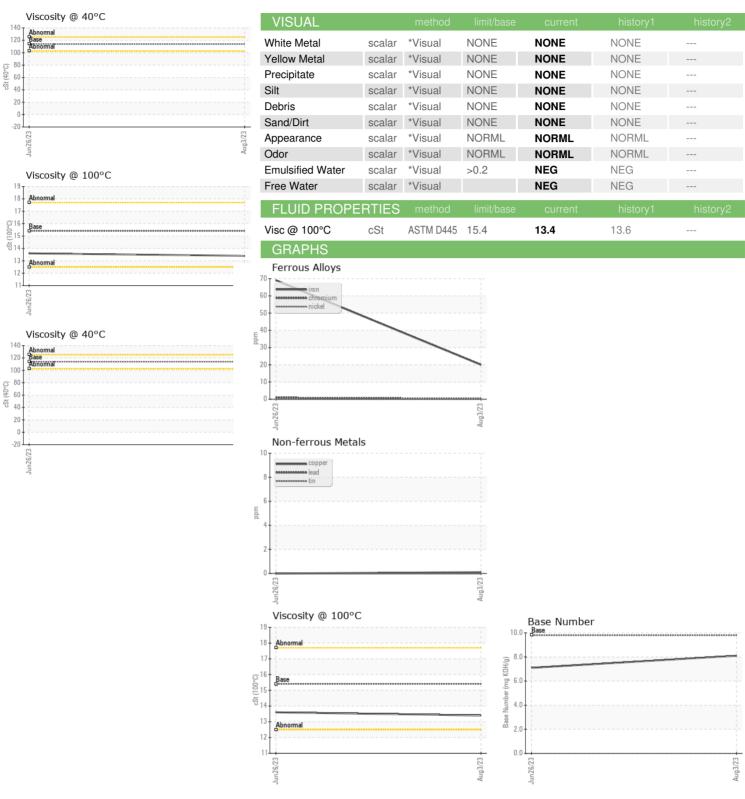
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

)N 3HP 13W40 (- GAL)		Jun 2023	Aug2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0077538	GFL0077523	
Sample Date		Client Info		03 Aug 2023	26 Jun 2023	
Machine Age	hrs	Client Info		12249	11950	
Oil Age	hrs	Client Info		387	11950	
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	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20	69	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m	>2	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>25	6	13	
Lead	ppm	ASTM D5185m	>40	0	0	
Copper	ppm	ASTM D5185m	>330	<1	0	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	3	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	61	62	
Manganese	ppm	ASTM D5185m	0	0	<1	
Magnesium	ppm	ASTM D5185m	1010	971	961	
Calcium	ppm	ASTM D5185m	1070	1155	1105	
Phosphorus	ppm	ASTM D5185m	1150	1035	1029	
Zinc	ppm	ASTM D5185m	1270	1239	1280	
Sulfur	ppm	ASTM D5185m	2060	3640	3532	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	5	
Sodium	ppm	ASTM D5185m		2	1	
Potassium	ppm	ASTM D5185m	>20	0	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	6.2	8.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.7	19.1	
FLUID DEGRA	ATION	method	limit/base	current	history1	history2
	JATION	method	mmb base	Current	Thotory	motory
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1	17.4	



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: 05919135 : 10591049

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0077538 Received Diagnosed

: 08 Aug 2023 : 10 Aug 2023 : Don Baldridge Diagnostician

Test Package : FLEET (Additional Tests: KV40)

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

GFL Environmental - 625 - Harrison Hauling

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T: F: