

# **OIL ANALYSIS REPORT**

# OODT

# Sample Rating Trend







Machine Id
725069
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (40 QTS)

# 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

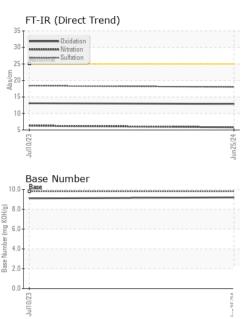
# **Fluid Condition**

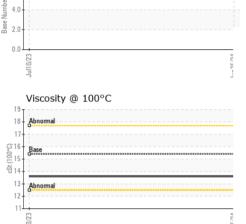
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

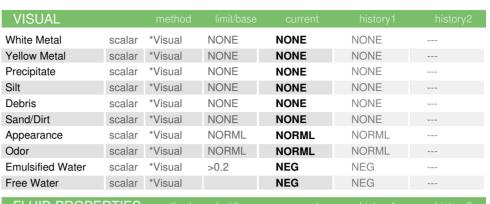
N SHP 15W40 (4	0 QTS)		Jul2023	Jun2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110788	GFL0076905	
Sample Date		Client Info		25 Jun 2024	10 Jul 2023	
Machine Age	hrs	Client Info		27412	26678	
Oil Age	hrs	Client Info		734	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method	>3.0	<1.0	<1.0	
Vater		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	4	9	
Chromium	ppm	ASTM D5185m	>20	0	<1	
Nickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m	>2	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>20	1	2	
_ead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m	>330	0	<1	
Γin	ppm	ASTM D5185m	>15	0	0	
/anadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	7	11	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	54	56	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	919	781	
Calcium	ppm	ASTM D5185m	1070	1053	1151	
Phosphorus	ppm	ASTM D5185m	1150	1028	962	
Zinc	ppm	ASTM D5185m	1270	1220	1150	
Sulfur	ppm	ASTM D5185m	2060	3434	3189	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	
Sodium	ppm	ASTM D5185m		<1	2	
Potassium	ppm	ASTM D5185m	>20	<1	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.5	0.7	
Nitration	Abs/cm	*ASTM D7624	>20	5.8	6.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.0	18.4	
	ATION	mothod	limit/bass	ourront.	history1	hiotory
FLUID DEGRA	JATION	method	limit/base	current	HISTORY	HISTORYZ
FLUID DEGRAD  Dxidation	Abs/.1mm	*ASTM D7414	>25	12.9	13.1	history2



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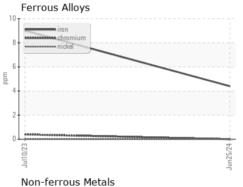


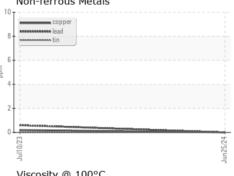


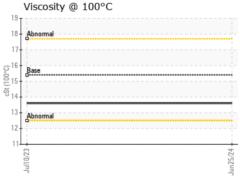


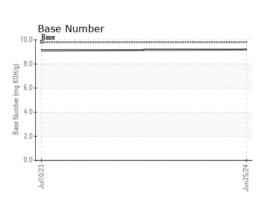
FLUID PROPE	ERITES	method	limit/base		history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.6	

# **GRAPHS**













Certificate 12367

Laboratory Sample No.

: GFL0110788 Lab Number : 06225591 Unique Number : 11103788

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Jul 2024 **Tested** : 03 Jul 2024

Diagnosed : 03 Jul 2024 - Wes Davis

GFL Environmental - 412 - Northern Michigan TS

348 US-41 Negaunee, MI US 49866

Contact: Service Manager

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)

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