

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 776M 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

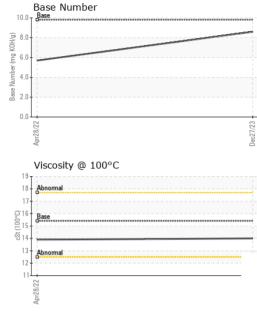
Fluid Condition

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

N SHP 15W40 (-	GAL)		Apr2022	Dec2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0104398	GFL0018505	
Sample Date		Client Info		27 Dec 2023	28 Apr 2022	
Machine Age	mls	Client Info		32793	13257	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
- uel		WC Method	>3.0	<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 D5185m	>90	12	30	
Chromium	ppm	ASTM D5185m	>20	<1	1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Γitanium	ppm	ASTM D5185m	>2	0	0	
Silver	ppm	ASTM D5185m	>2	1	0	
Aluminum	ppm	ASTM D5185m	>20	3	2	
_ead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	3	1	
Γin	ppm	ASTM D5185m	>15	<1	<1	
/anadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	12	4	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	61	57	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	885	969	
Calcium	ppm	ASTM D5185m	1070	1072	1116	
Phosphorus	ppm	ASTM D5185m	1150	1028	1039	
Zinc	ppm	ASTM D5185m	1270	1218	1270	
Sulfur	ppm	ASTM D5185m	2060	3021	2473	
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	3	
Sodium	ppm	ASTM D5185m		3	10	
Potassium	ppm	ASTM D5185m	>20	2	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.3	0.8	
Vitration	Abs/cm	*ASTM D7624	>20	7.8	12.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	26.2	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	25.7	

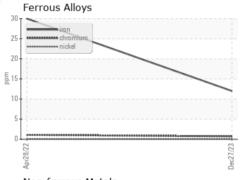


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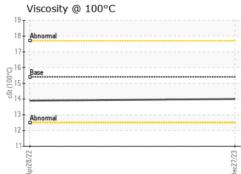


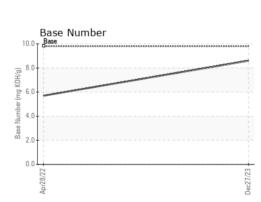
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID DDODE						

FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	13.9	



10	Non-ferrous Metals	
8.	copper copper in the copper in	
6.		
원 4·		-
2.	-	
0.	72	23
	Apr28/22	Dec27/23
	Viscosity @ 100°C	







Certificate L2367

Laboratory Sample No. Lab Number

: 06050660 Unique Number : 10816609 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0104398 Recieved

Diagnosed

: 04 Jan 2024 : 04 Jan 2024

Diagnostician : Don Baldridge

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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