

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

0858 Component Diesel Engine Fluid PETRO CANADA DURON HP 15W40 (24 LTR)

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition. (Customer Sample Comment: Early oil sample to monitor condition.)

Wear

All component wear rates are normal.

Contamination

Test for glycol is positive. There is a light concentration of glycol present in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0080627	PC0082785	PC0082830
Sample Date		Client Info		29 Apr 2024	12 Mar 2024	08 Jan 2024
Machine Age	kms	Client Info		1010975	1005281	991610
Oil Age	kms	Client Info		5074	13671	15557
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	SEVERE	ABNORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	0.7	1.1
Water		WC Method	>0.2	NEG	NEG	NEG
	2	method	limit/base	current	history1	history2
	,		100	00	70	77
Iron	ppm	ASTM D5185(M)	>100	39	73	2
Chromium	ppm		>20	1	2	3
NICKEI	ppm	ASTM D5185(m)	>4	<1	<	< 1
litanium	ppm	ASTM D5185(m)	0	0	0	0
Sliver	ppm	ASTM D5185(m)	>3	Û	0	0
Aluminum	ppm	ASTM D5185(m)	>20	6	9	
Lead	ppm	ASTM D5185(m)	>40	2	6	6
Copper	ppm	ASTM D5185(m)	>330	3	/	1
l in	ppm	ASTM D5185(m)	>15	0	0	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		U	0	U
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	6	10	10
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	65	71	70
Manganese	ppm	ASTM D5185(m)	0	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	997	1021	1020
Calcium	ppm	ASTM D5185(m)	1070	1105	1200	1209
Phosphorus	ppm	ASTM D5185(m)	1150	1010	1042	1079
Zinc	ppm	ASTM D5185(m)	1270	1191	1249	1265
Sulfur	ppm	ASTM D5185(m)	2060	2476	2495	2669
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	9	9
Sodium	ppm	ASTM D5185(m)		<mark> </mark> 138	272	213
Potassium	ppm	ASTM D5185(m)	>20	1 3	1	2
Glycol	%	ASTM D7922*		A 0.037	▲ 0.025	▲ 0.025
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	2.3	5 .5	4 .5
Nitration	Abs/cm	ASTM D7624*	>20	9.3	15.3	15.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.8	35.0	▲ 32.5



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CALA S L ISO 17025:2017 Accredited U Laboratory Τe

aboratory	: WearCheck
ample No.	: PC0080627
ab Number	: 02633048
nique Number	: 5774201
est Package	: IND 2 (Addi

- C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received :03 May 2024 Tested :06 May 2024 Diagnosed : 06 May 2024 - Kevin Marson itional Tests: Glycol, KV40, VI)

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.

FLUID DEGRADATION method limit/base current history1 history2 >25 14.7 20.2 Oxidation Abs/.1mm ASTM D7414* 20.7 Base Number (BN) mg KOH/g ASTM D2896* 9.8 10.18 VISUAL method limit/base current history⁻ history2 >0.2 NEG NEG NEG Emulsified Water scalar Visual* Free Water NEG scalar Visual* NEG NEG **FLUID PROPERTIES** limit/base method current history1 history2 Visc @ 40°C cSt ASTM D7279(m) 122 114 118.2 111 Visc @ 100°C cSt ASTM D7279(m) 15.6 14.9 16.4 15.4 Viscosity Index (VI) Scale ASTM D2270* 139 139 144 141 GRAPHS









Metrobus Transit

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