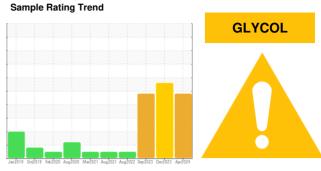


OIL ANALYSIS REPORT

Area
3000 Series Navistar 3264

Diesel Engine

PETRO CANADA DURON SHP 10W30 (26 LTR)



DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

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

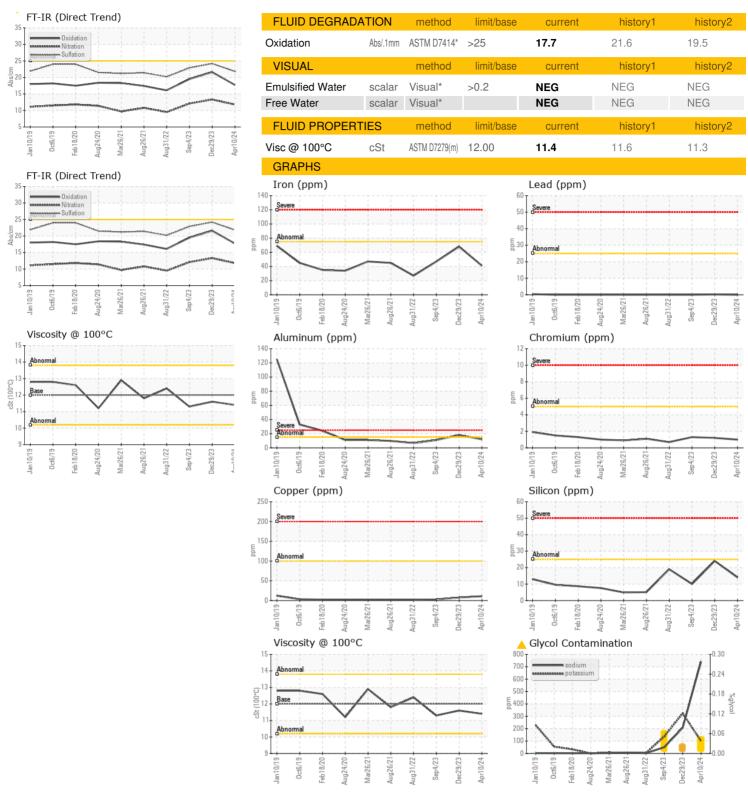
Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

-1n <i>)</i>			UT9 F80ZUZU AUGZUZU Marz			
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0915072	WC0886684	WC0805757
Sample Date		Client Info		10 Apr 2024	29 Dec 2023	04 Sep 2023
Machine Age	mls	Client Info		234296	217808	198440
Oil Age	mls	Client Info		16488	19368	16240
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>75	41	68	47
Chromium	ppm	ASTM D5185(m)	>5	1	1	1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>15	12	<u></u> 18	11
Lead	ppm	ASTM D5185(m)	>25	0	<1	0
Copper	ppm	ASTM D5185(m)	>100	11	8	3
Tin	ppm	ASTM D5185(m)	>4	0	0	0
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)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	1	<1	2
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	177	85	64
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	916	904	938
Calcium	ppm	ASTM D5185(m)	1050	988	1048	1024
Phosphorus	ppm	ASTM D5185(m)	995	888	846	1029
Zinc	ppm	ASTM D5185(m)	1180	1138	1135	1172
Sulfur	ppm	ASTM D5185(m)	2600	2370	2436	2437
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	14	24	10
Sodium	ppm	ASTM D5185(m)		742	207	5 0
Potassium	ppm	ASTM D5185(m)	>20	<u> </u>	▲ 324	△ 137
Glycol	%	ASTM D7922*		△ 0.052	▲ 0.029	▲ 0.071
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.5	0.8	0.7
Nitration	Abs/cm	ASTM D7624*	>20	11.8	13.3	12.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.8	24.2	22.9



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 MANITOULIN TRANSPORT (GARAGE) : WC0915072

Lab Number : 02629473 Unique Number : 5762605 Test Package : MOB 1 (Additional Tests: Glycol)

Received : 17 Apr 2024 **Tested**

: 17 Apr 2024 Diagnosed

: 17 Apr 2024 - Wes Davis

CA L4W 1C4 Contact: Travis Spence tspence@manitoulintransport.com

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.

F: (905)564-6361

1335 SHAWSON DRIVE

MISSISSAUGA, ON

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