

OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL



Machine Id 186487

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- GAL)

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. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

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

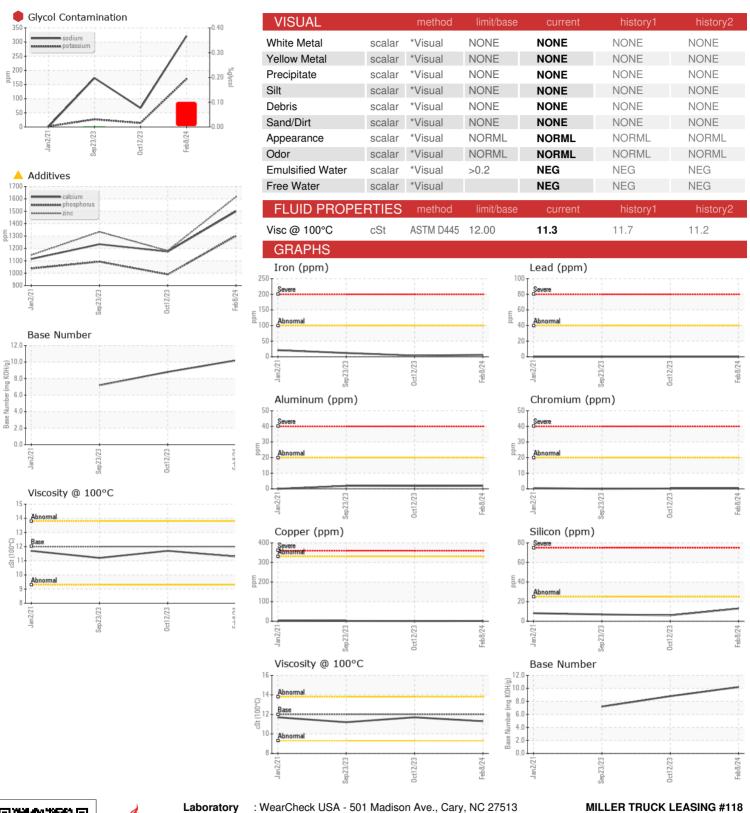
▲ Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. 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.

GAL)		Jan202	1 Sep2023	0ct2023 Fe	b2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0114583	PCA0108388	PCA0105342
Sample Date		Client Info		08 Feb 2024	12 Oct 2023	23 Sep 2023
Machine Age	mls	Client Info		50004	47332	46930
Oil Age	mls	Client Info		0	47332	46930
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				SEVERE	NORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	6	4	12
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		23	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	1	<1	1
Tin	ppm	ASTM D5185m	>15	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	42	11	11
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	50	86	60	65
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	950	1133	783	1016
Calcium	ppm	ASTM D5185m	1050	1499	1174	1234
Phosphorus	ppm	ASTM D5185m	995	1301	990	1093
Zinc	ppm	ASTM D5185m	1180	1615	1181	1334
Sulfur	ppm	ASTM D5185m	2600	4658	3481	3302
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	13	6	7
Sodium	ppm	ASTM D5185m		322	67	173
Potassium	ppm	ASTM D5185m	>20	170	14	27
Glycol	%	*ASTM D2982		0.10	NEG	0.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.3
Nitration	Abs/cm	*ASTM D7624	>20	6.8	5.4	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.5	16.7	18.8
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	12.5	14.9
Base Number (BN)	mg KOH/g	ASTM D2896		10.2	8.8	7.2
15:20:24) Pay: 1				Contact/Least	ion: DOSTV VIT	ED MILDUINE



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: PCA0114583 : 06095288 Unique Number : 10888141

Received : 21 Feb 2024 **Tested**

Diagnosed

: 22 Feb 2024 : 22 Feb 2024 - Wes Davis

Test Package: MOB 1 (Additional Tests: Glycol, TBN) 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)

MILLER TRUCK LEASING #118

Contact/Location: ROSTY VITER - MILPHINE

2196 BENNETT ROAD PHILADELPHIA, PA US 19116

Contact: ROSTY VITER rviter@millertransgroup.com T: (215)552-9832

F: (215)552-9892

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