

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **707386**

Component **Diesel Engine**

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Fluid Condition

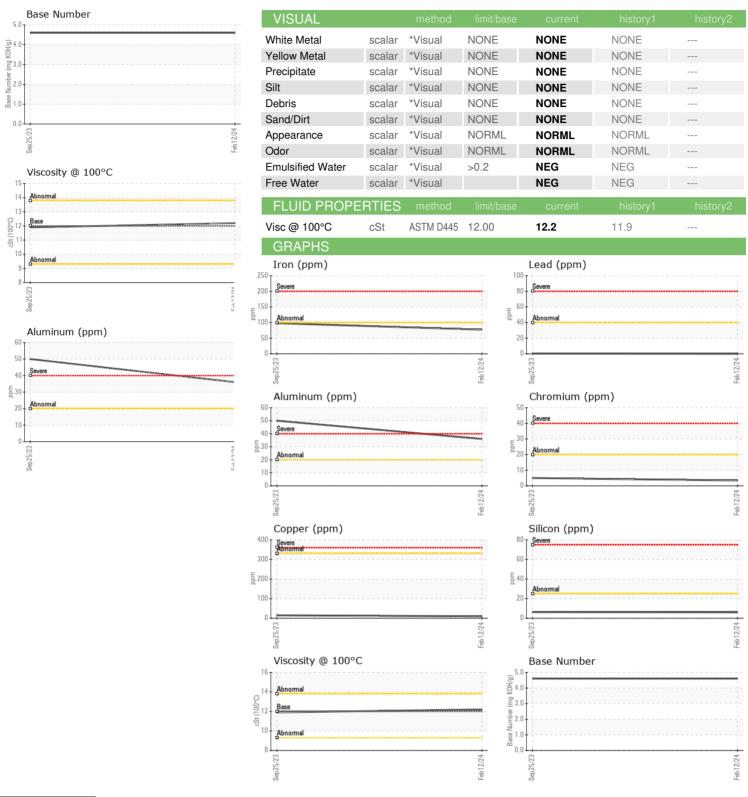
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

QTS)			Sep 2023	Feb2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0114564	PCA0105334	
Sample Date		Client Info		12 Feb 2024	25 Sep 2023	
Machine Age	mls	Client Info		385538	62788	
Oil Age	mls	Client Info		385538	62788	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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
Iron	ppm	ASTM D5185m	>100	77	98	
Chromium	ppm	ASTM D5185m	>20	3	5	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	36	50	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m	>330	10	15	
Tin	ppm	ASTM D5185m	>15	<1	1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	3	<1	
Barium	ppm	ASTM D5185m	0	<1	0	
Molybdenum	ppm	ASTM D5185m	50	65	71	
Manganese	ppm	ASTM D5185m	0	<1	2	
Magnesium	ppm	ASTM D5185m	950	848	1050	
Calcium	ppm	ASTM D5185m	1050	1177	1302	
Phosphorus	ppm	ASTM D5185m	995	947	1079	
Zinc	ppm	ASTM D5185m	1180	1224	1402	
Sulfur	ppm	ASTM D5185m	2600	2561	2432	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	6	
Sodium	ppm	ASTM D5185m		0	4	
Potassium	ppm	ASTM D5185m	>20	32	72	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1	1	
Nitration	Abs/cm	*ASTM D7624		11.5	11.8	
Sulfation	Abs/.1mm		>30	24.8	24.3	
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3	22.1	
Base Number (BN)	mg KOH/g	ASTM D2896		4.6	4.6	
(DIV)	91101119					

Contact/Location: ROSTY VITER - MILPHINE



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

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

Unique Number : 10888144

: PCA0114564 : 06095291

Received **Tested** Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

: 21 Feb 2024 : 22 Feb 2024

: 22 Feb 2024 - Sean Felton

US 19116 Contact: ROSTY VITER rviter@millertransgroup.com

Contact/Location: ROSTY VITER - MILPHINE

MILLER TRUCK LEASING #118

2196 BENNETT ROAD

PHILADELPHIA, PA

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. T: (215)552-9832 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (215)552-9892