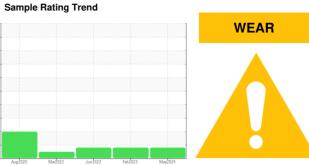


OIL ANALYSIS REPORT



Machine Id

609257

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- Q

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

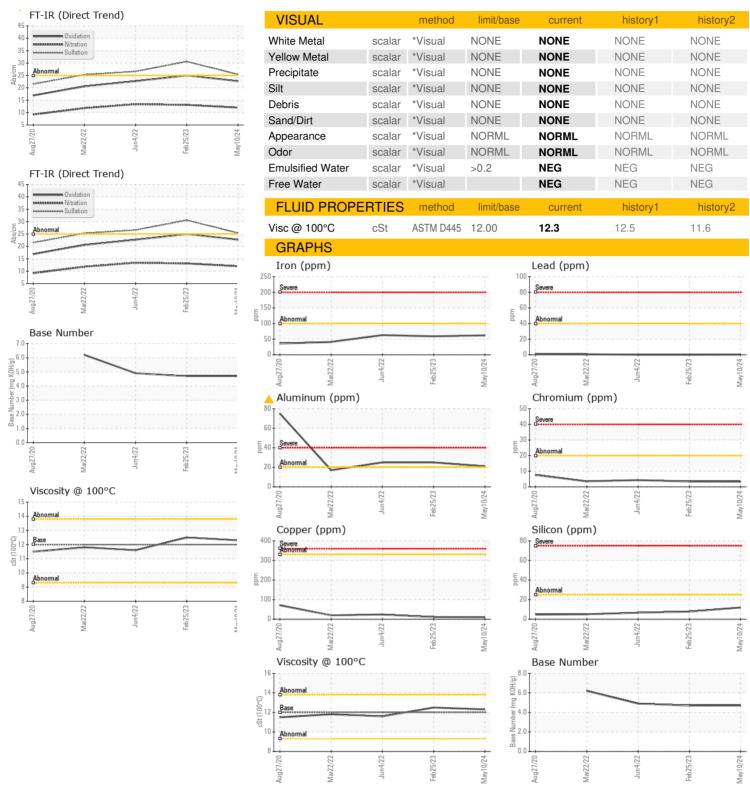
Fluid Condition

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.

QTS)		Aug2020	Mar2022	Jun 2022 Feb 2023	May2024	`
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110694	PCA0083897	PCA0061124
Sample Date		Client Info		10 May 2024	25 Feb 2023	04 Jun 2022
Machine Age	mls	Client Info		383784	257270	191285
Oil Age	mls	Client Info		68859	65985	71336
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	62	59	63
Chromium	ppm	ASTM D5185m	>20	3	3	4
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		5	64	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	<u>^</u> 21	<u>^</u> 25	<u>▲</u> 25
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	10	11	24
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	9	8	9
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	101	24	61
Manganese	ppm	ASTM D5185m	0	1	2	2
Magnesium	ppm	ASTM D5185m	950	1530	601	907
Calcium	ppm	ASTM D5185m	1050	1930	1653	1146
Phosphorus	ppm	ASTM D5185m	995	1549	983	932
Zinc	ppm	ASTM D5185m	1180	2104	1325	1191
Sulfur	ppm	ASTM D5185m	2600	4331	3460	2245
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12	8	7
Sodium	ppm	ASTM D5185m		6	5	5
Potassium	ppm	ASTM D5185m	>20	5	11	20
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3	1.6	1.5
Nitration	Abs/cm	*ASTM D7624	>20	12.0	13.1	13.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.4	30.6	26.6
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.7	25.0	22.7
Base Number (BN)	mg KOH/g	ASTM D2896		4.7	4.7	4.9



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06188664 Unique Number : 11045416

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0110694

Received **Tested** Diagnosed : 23 May 2024

: 24 May 2024

: 28 May 2024 - Sean Felton

Test Package : MOB 1 (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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 #123

66 KELLER AVENUE LANCASTER, PA US 17601

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