

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **DT39** Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- G

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

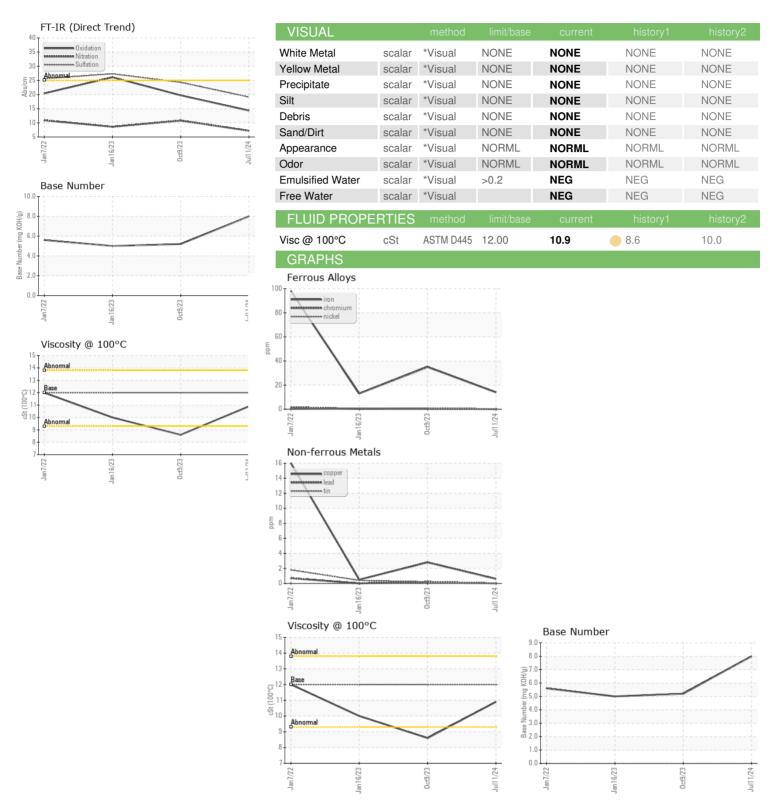
Fluid Condition

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

GAL)		Jan202	2 Jan 2023	Oct2023 Ju	12024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0116162	PCA0107497	PCA0084973
Sample Date		Client Info		11 Jul 2024	09 Oct 2023	16 Jan 2023
Machine Age	mls	Client Info		151896	112618	77508
Oil Age	mls	Client Info		25000	25000	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	ATTENTION	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	0.4	<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	14	35	13
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	9	22	2
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	<1	3	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	4	<1	0
Barium	ppm	ASTM D5185m	0	<1	7	0
Molybdenum	ppm	ASTM D5185m	50	60	69	40
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	900	891	603
Calcium	ppm	ASTM D5185m	1050	1113	1210	1423
Phosphorus	ppm	ASTM D5185m	995	1008	1034	929
Zinc	ppm	ASTM D5185m	1180	1141	1228	1121
Sulfur	ppm	ASTM D5185m	2600	3306	3056	2854
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	8	10
Sodium	ppm	ASTM D5185m		2	0	2
Potassium	ppm	ASTM D5185m	>20	10	39	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.8	0.4
Nitration	Abs/cm	*ASTM D7624	>20	7.2	10.8	8.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	24.3	27.3
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	19.7	26.1
Base Number (BN)	mg KOH/g	ASTM D2896		8.0	5.2	5.0



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Sample No.

Laboratory : PCA0116162 Lab Number : 06235496 Unique Number : 11124330

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested** : 15 Jul 2024

Diagnosed

: 15 Jul 2024 - Wes Davis

US 29210 Contact: GEORGE EDWARDS gedwards@nwwhite.com

100 INDEPENDENCE BLVD

NW WHITE & CO - COLUMBIA DIVISION

Test Package : FLEET Certificate 12367 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) T:

F:

COLUMBIA, SC