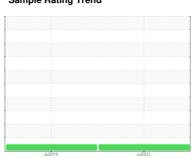


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

67

Component **Diesel Engine**

PETRO CANADA DURON UHP 5W40 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

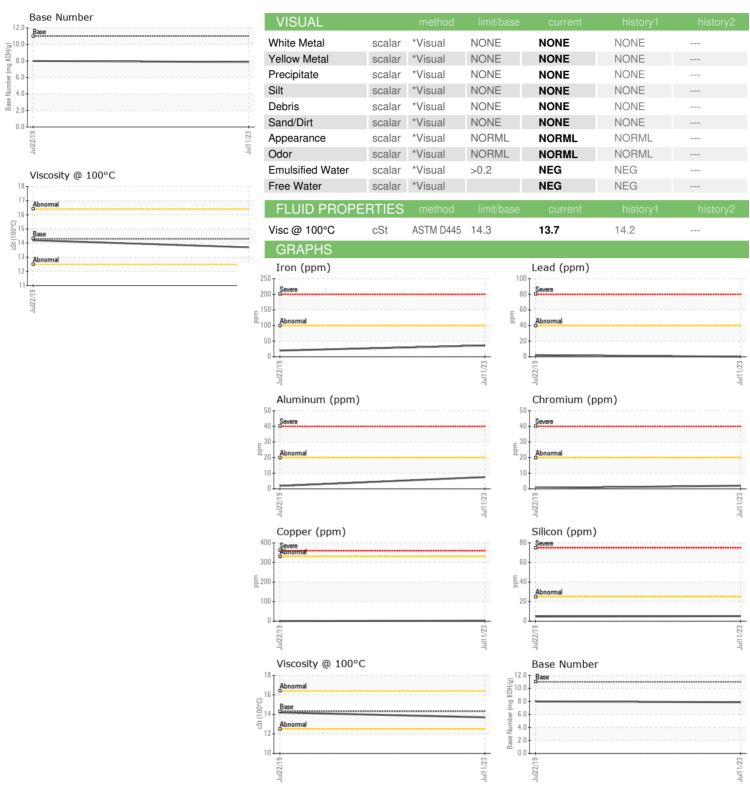
Fluid Condition

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

TS)			Jul2019	Jul2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0001983	PCA0001979	
Sample Date		Client Info		11 Jul 2023	22 Jul 2019	
Machine Age	mls	Client Info		891742	838155	
Oil Age	mls	Client Info		40166	20000	
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	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	36	20	
Chromium	ppm	ASTM D5185m	>20	2	<1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m	>20	8	2	
Lead	ppm	ASTM D5185m	>40	0	2	
Copper	ppm	ASTM D5185m	>330	3	<1	
Tin	ppm	ASTM D5185m	>15	0	0	
Antimony	ppm	ASTM D5185m			<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	65	20	2	
Barium	ppm	ASTM D5185m	0	0	<1	
Molybdenum	ppm	ASTM D5185m	65	55	63	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1160	948	1064	
Calcium	ppm	ASTM D5185m	820	1126	1088	
Phosphorus	ppm	ASTM D5185m	1160	1001	1022	
Zinc	ppm	ASTM D5185m	1260	1258	1223	
Sulfur	ppm	ASTM D5185m	3000	3168	2599	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	
Sodium	ppm	ASTM D5185m		4	4	
Potassium	ppm	ASTM D5185m	>20	2	0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.2	1	
Nitration	Abs/cm	*ASTM D7624	>20	12.6	8.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.8	21.3	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.6	16	
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	7.87	7.99	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05900799 : 10562155

: PCA0001983

Received Diagnosed

Diagnostician

: 19 Jul 2023 : Sean Felton

: 17 Jul 2023

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.

Contact: KATRINA THOM

COLE OIL AND PROPANE

T:

265 FOREST AVE

FOND DU LAC, WI

US 54935

F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)