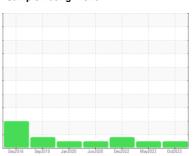


OIL ANALYSIS REPORT

Sample Rating Trend







FUEL Machine Id 327 Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

Fluid Condition

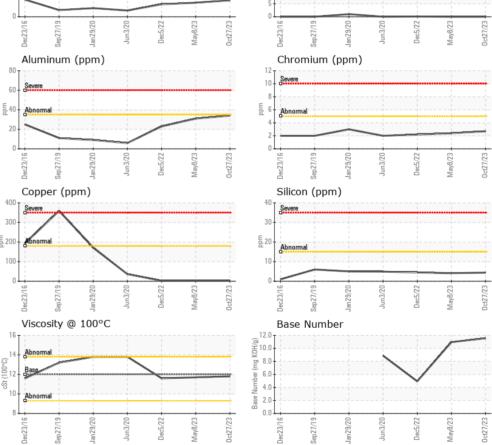
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Dec2016 Sep2019 Jan2020 Jun2020 Dec2022 May2023 Oct2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104674	PCA0066621	PCA0066630
Sample Date		Client Info		27 Oct 2023	08 May 2023	05 Dec 2022
Machine Age	mls	Client Info		262798	262798	0
Oil Age	mls	Client Info		262798	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>65	42	36	32
Chromium	ppm	ASTM D5185m	>5	3	2	2
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>5	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>35	34	31	<u>△</u> 23
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>180	4	3	3
Tin	ppm	ASTM D5185m	>8	<1	0	<1
Antimony	ppm	ASTM D5185m	>35			
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<1	2	7
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	50	64	61	64
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	988	946	954
Calcium	ppm	ASTM D5185m	1050	1088	1086	1130
Phosphorus	ppm	ASTM D5185m	995	1057	1031	1018
Zinc	ppm	ASTM D5185m	1180	1323	1249	1205
Sulfur	ppm	ASTM D5185m	2600	3485	2729	3395
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	4	4
Sodium	ppm	ASTM D5185m		4	2	2
Potassium	ppm	ASTM D5185m	>20	39	29	33
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1	0.7	0.9
Nitration	Abs/cm	*ASTM D7624	>20	9.9	9.5	10.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3	20.7	22.6
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.4	16.9	18.6
Base Number (BN)	mg KOH/g	ASTM D2896		11.55	10.96	4.93



OIL ANALYSIS REPORT









Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 2

: 05995877

: PCA0104674 : 10724237

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 01 Nov 2023 Received

Diagnosed : 02 Nov 2023 : Wes Davis Diagnostician

DENNIS K BURKE INC - INTERNAL SAMPLES

555 CONSTITUTION DR TAUNTON, MA US 02780

Contact: GREG DUNKER

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)

F: (617)889-6422

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

11.6