

OIL ANALYSIS REPORT

Sample Rating Trend





Component **Diesel Engine**

Eluid

PETRO CANADA DURON SHP 10W30 (16 Q

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.

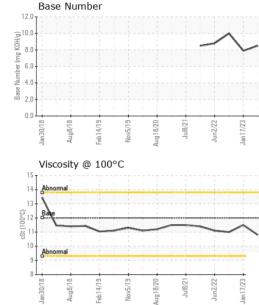
Fluid Condition

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

TS)		Jan2018 Aug	2018 Feb2019 Nov2019	Aug ² 020 Jul2021 Jun2022	Jan ² 023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0097771	PCA0089977	PCA0079694
Sample Date		Client Info		04 May 2023	17 Jan 2023	07 Sep 2022
Machine Age	mls	Client Info		259280	252194	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	14	25	18
Chromium	ppm	ASTM D5185m		0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	2	6	2
Lead	ppm	ASTM D5185m	>40	1	3	1
Copper	ppm	ASTM D5185m	>330	2	2	1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	2	17	8	8
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	50	71	69	69
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	776	877	908
Calcium	ppm	ASTM D5185m	1050	1141	1216	1128
Phosphorus	ppm	ASTM D5185m	995	982	983	1038
Zinc	ppm	ASTM D5185m	1180	1138	1263	1242
Sulfur	ppm	ASTM D5185m	2600	3181	3669	3589
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	2	3	3
Sodium	ppm	ASTM D5185m		0	8	5
Potassium	ppm	ASTM D5185m	>20	2	2	3
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.9	1.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	10.2	13.2	10.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	22.6	21.4
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1	20.3	17.8
Base Number (BN)	mg KOH/g		220	8.5	7.9	10.0
Dase Multiber (DIN)	ing KOR/g	AGTINI DZ030		0.0	1.5	10.0
Dase Number (DN)		HO THE D2030		0.5	1.5	10.0



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Certificate L2367

Laboratory

Sample No.

Lab Number

Contact/Location: ED DAVIS - MILLOG