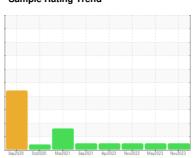


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **DT38** Component **Diesel Engine**

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

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

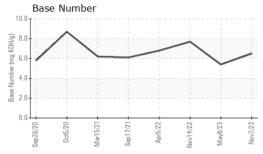
Fluid Condition

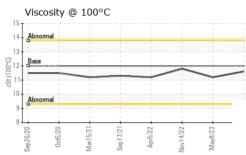
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sep2020 Oct0200 Mer2021 Sep2021 Apr2022 Nov2022 Mer2023 Nov2023						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0090319	PCA0098261	PCA0084937
Sample Date		Client Info		07 Nov 2023	08 May 2023	14 Nov 2022
Machine Age	mls	Client Info		179319	155169	131885
Oil Age	mls	Client Info		25000	155169	25000
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	21	25	33
Chromium	ppm	ASTM D5185m	>4	<1	1	1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>25	9	9	16
Lead	ppm	ASTM D5185m	>45	0	<1	0
Copper	ppm	ASTM D5185m	>85	1	<1	2
Tin	ppm	ASTM D5185m	>4	0	1	<1
Vanadium	ppm	ASTM D5185m	7	0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррпп		12 24 //			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2	4	7
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	50	68	72	65
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	950	991	1030	921
Calcium	ppm	ASTM D5185m	1050	1187	1142	1171
Phosphorus	ppm	ASTM D5185m	995	1020	1092	1023
Zinc	ppm	ASTM D5185m	1180	1328	1353	1270
Sulfur	ppm	ASTM D5185m	2600	2912	3471	3074
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	7	7	6
Sodium	ppm	ASTM D5185m		0	4	<1
Potassium	ppm	ASTM D5185m	>20	16	16	29
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.8	0.8
Nitration	Abs/cm	*ASTM D7624	>20	10.2	11.0	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4	23.9	24.8
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	20.3	20.9
Base Number (BN)	mg KOH/g	ASTM D2896		6.5	5.4	7.7
, ,	0					



OIL ANALYSIS REPORT

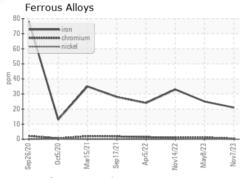


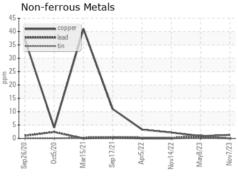


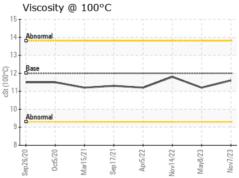
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

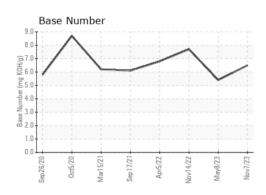
FLUID PROPE	RHES	method	ilmit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	12.00	11.6	11.2	11.8

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: 06002123 : 10735885

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0090319 Received : 08 Nov 2023 : 09 Nov 2023 Diagnosed

Diagnostician : Wes Davis

HK STEELE INC 400 N PARSON ST WEST COLUMBIA, SC US 29169

Contact: GEORGE EDWARDS

gedwards@nwwhite.com

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) T:

F: