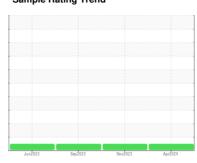


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
98123
Component
Gasoline Engine

PETRO CANADA DURON UHP 5W30 (6 QTS)

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

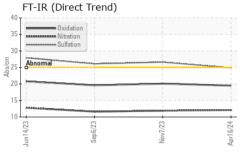
Fluid Condition

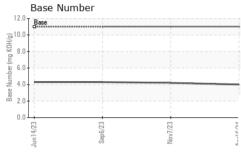
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

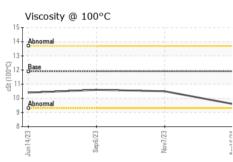
5)		Jun202	3 Sep2023	Nov2023 A	or2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0004326	SBP0004332	SBP0004337
Sample Date		Client Info		16 Apr 2024	07 Nov 2023	06 Sep 2023
Machine Age	mls	Client Info		308138	297507	291484
Oil Age	mls	Client Info		5599	6024	6203
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIC	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	35	21	27
Chromium	ppm	ASTM D5185m	>20	2	1	2
Nickel	ppm	ASTM D5185m	>5	2	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	8	5	4
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>155	6	4	7
Tin	ppm	ASTM D5185m	>10	<1	0	<1
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	0	51	31	27
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	64	91	68	69
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1160	676	521	564
Calcium	ppm	ASTM D5185m		1562	1179	1231
Phosphorus	ppm	ASTM D5185m	1160	861	653	706
Zinc	ppm	ASTM D5185m	1260	1087	836	866
Sulfur	ppm	ASTM D5185m	3000	3609	2595	3209
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	21	17	18
Sodium	ppm	ASTM D5185m	>400	8	5	7
Potassium	ppm	ASTM D5185m	>20	3	2	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	12.1	11.9	11.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.9	26.6	26.1
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	20.1	19.6
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	4.0	4.2	4.3



OIL ANALYSIS REPORT



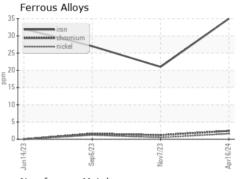


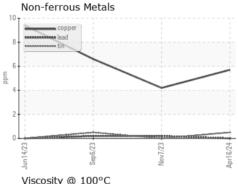


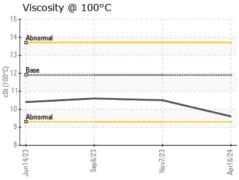
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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

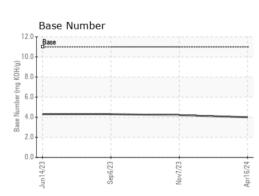
FLUID PROPERTIES		method	ilmit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	11.9	9.6	10.5	10.6

GRAPHS













Certificate 12367

Sample No.

Lab Number : 06156628

: SBP0004326 Unique Number : 10992051

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024

Tested : 23 Apr 2024 Diagnosed : 23 Apr 2024 - Wes Davis

Sapp Bros. Fleet - Norfolk Location

1216 W. Monroe Ave. Norfolk, NE

US 68701 Contact: Ty Zelmer tzellmer@sappbros.net T: (402)371-7372

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)