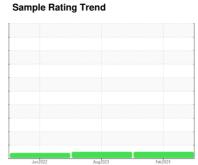


OIL ANALYSIS REPORT



NORMAL



Machine Id 532 [] Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

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

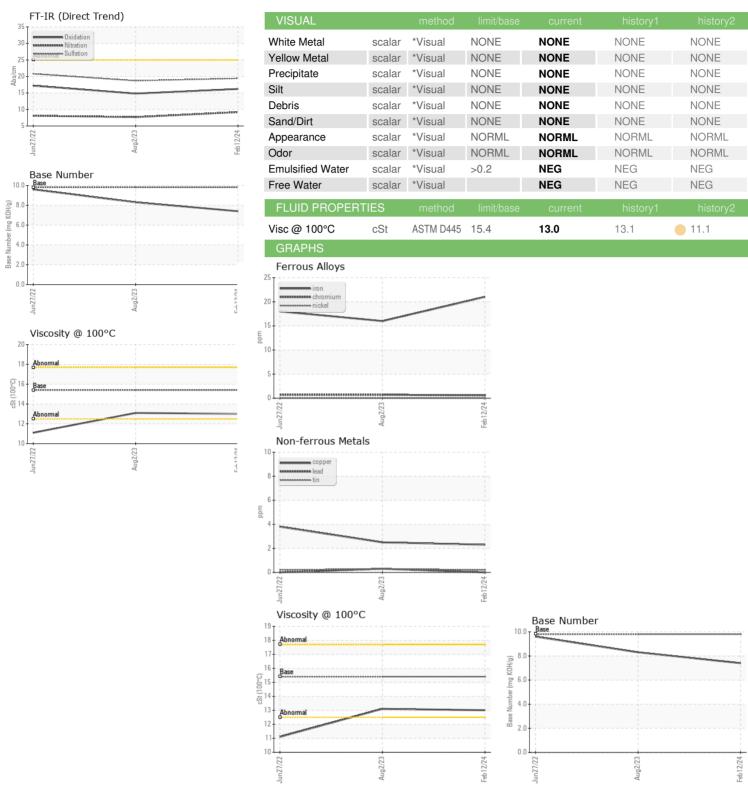
Fluid Condition

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

GAL) Junž022 Augž023 Febž024						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0003816	SBP0003841	SBP0000085
Sample Date		Client Info		12 Feb 2024	02 Aug 2023	27 Jun 2022
Machine Age	hrs	Client Info		1212	912	411
Oil Age	hrs	Client Info		300	249	279
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	0.1
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	21	16	18
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Γitanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	<1	4
_ead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	2	2	4
Γin	ppm	ASTM D5185m	>15	<1	<1	<1
/anadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	10	11	9
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	59	56	56
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	1082	986	902
Calcium	ppm	ASTM D5185m	1070	1266	1167	1227
Phosphorus	ppm	ASTM D5185m	1150	1137	1006	1013
Zinc	ppm	ASTM D5185m	1270	1385	1256	1226
Sulfur	ppm	ASTM D5185m	2060	3678	3169	3454
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	9
Sodium	ppm	ASTM D5185m		2	2	<1
Potassium	ppm	ASTM D5185m	>20	2	2	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	9.2	7.7	8.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	18.7	20.8
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	14.8	17.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.4	8.3	9.6



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0003816 Lab Number : 06149364 Unique Number : 10979442

Received **Tested** Diagnosed

: 16 Apr 2024

: 16 Apr 2024 - Wes Davis Test Package : CONST (Additional Tests: TBN)

: 15 Apr 2024

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)

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