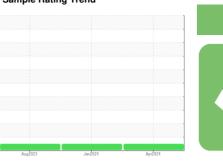


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

DOOSAN AIR COMP 189

Diesel Engine

PETRO CANADA 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

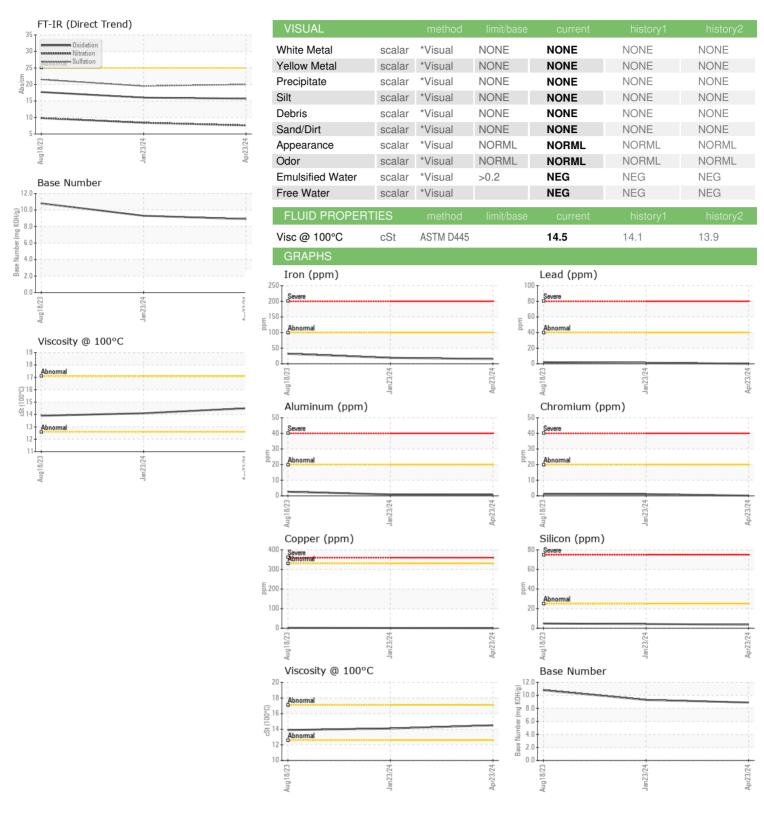
Fluid Condition

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

	Aug ² 023 Jac ² 024 Ap ² 024					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917338	WC0878821	WC0517506
Sample Date		Client Info		23 Apr 2024	23 Jan 2024	18 Aug 2023
Machine Age	hrs	Client Info		1280	1275	1075
Oil Age	hrs	Client Info		200	200	147
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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	>100	15	19	32
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	3
Lead	ppm	ASTM D5185m	>40	0	1	2
Copper	ppm	ASTM D5185m	>330	<1	1	2
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		12	5	9
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		72	69	68
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		1083	1101	1002
Calcium	ppm	ASTM D5185m		1165	1125	1481
Phosphorus	ppm	ASTM D5185m		1161	940	1138
Zinc	ppm	ASTM D5185m		1370	1390	1423
Sulfur	ppm	ASTM D5185m		3650	2833	3158
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	5
Sodium	ppm	ASTM D5185m	00	1	0	0
Potassium	ppm	ASTM D5185m		0	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	0.5
Nitration	Abs/cm	*ASTM D7624		7.6	8.4	9.8
Sulfation	Abs/.1mm	*ASTM D7415		20.0	19.5	21.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	16.0	17.7
Base Number (BN)	mg KOH/g	ASTM D2896		8.9	9.3	10.80



OIL ANALYSIS REPORT



Received

Tested

: 17 May 2024

: 21 May 2024

: 21 May 2024 - Wes Davis





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: WC0917338

Lab Number : 06183711 Unique Number : 11035037

Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

Certificate 12367 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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T: F:

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