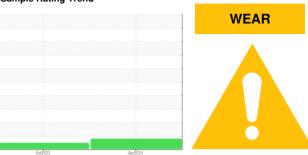


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

20-180 (S/N 5KKMALDRXJPJP6845)

Diesel Engine

DIESEL ENGINE OIL SAE 30 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

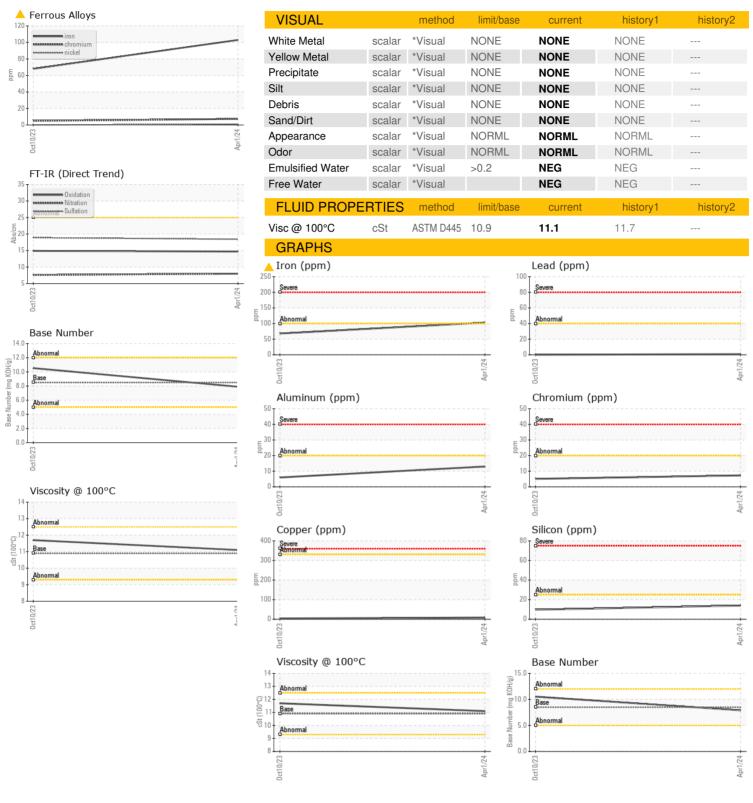
Fluid Condition

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

			0ct2023	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	ourront.	historyt	hiotom/2
	VIATION		IIIIIVbase	current	history1	history2
Sample Number		Client Info		PCA0109632	PCA0104617	
Sample Date		Client Info		01 Apr 2024	10 Oct 2023	
Machine Age	mls	Client Info		252459	0	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	0.3	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	▲ 103	68	
Chromium	ppm	ASTM D5185m		7	5	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	13	6	
Lead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	9	4	
Tin	ppm	ASTM D5185m	>15	2	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	9	6	
Barium	ppm	ASTM D5185m	10	0	0	
Molybdenum	ppm	ASTM D5185m	100	61	56	
Manganese	ppm	ASTM D5185m		2	<1	
Magnesium	ppm	ASTM D5185m	450	923	783	
Calcium	ppm	ASTM D5185m	3000	1121	1084	
Phosphorus	ppm	ASTM D5185m	1150	1021	892	
Zinc	ppm	ASTM D5185m	1350	1250	1069	
Sulfur	ppm	ASTM D5185m	4250	3141	2549	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14	10	
Sodium	ppm	ASTM D5185m	>75	3	5	
Potassium	ppm	ASTM D5185m	>20	9	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	8.0	7.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	18.9	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	14.9	
Base Number (BN)	mg KOH/g	ASTM D7414		7.9	10.53	
2000 (Mailibor (DIV)	mg norng		5.0	7.0	10.00	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: PCA0109632 Lab Number : 06139492 Unique Number : 10964300 Test Package : MOB 2

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

: 05 Apr 2024 Tested : 05 Apr 2024 Diagnosed

: 06 Apr 2024 - Don Baldridge

5 MARION DR ARVER, MA US 02330 Contact: MARC CARVALHO marcc@sltconstruction.net

SLT CONSTRUCTION

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T:

F: