

OIL ANALYSIS REPORT



SAMPLE INFORMATION meth







OKLAHOMA/102/EG - SKID STEER
53.180L [OKLAHOMA^102^EG - SKID STEER]

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

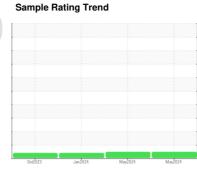
Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

Fluid Condition

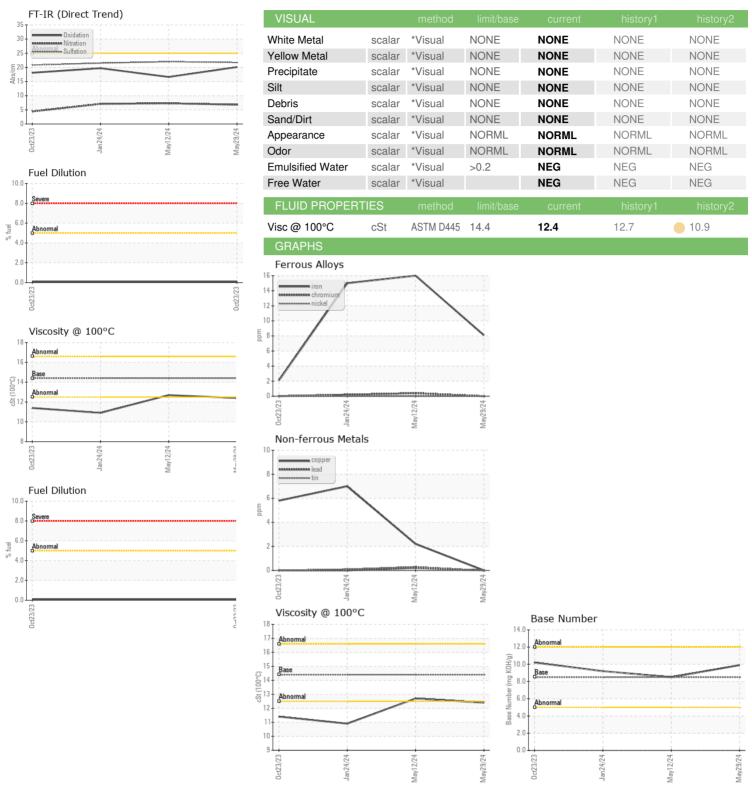
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



SAMPLE INFORM	MATION	method	ilmii/base	current	nistory i	nistory2
Sample Number		Client Info		WC0908866	WC0935193	WC0873974
Sample Date		Client Info		29 May 2024	12 May 2024	24 Jan 2024
Machine Age	hrs	Client Info		794	695	289
Oil Age	hrs	Client Info		99	238	3
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
				110111111111111		
CONTAMINATION	1	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
-			12 24 /1		111	1::
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	16	15
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>25	1	3	4
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	0	2	7
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVEC		ام مالم مما	limait/lanana		المراجعة والما	histow.O
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	56	47	49
Barium	ppm	ASTM D5185m	10	0	0	2
Molybdenum	ppm	ASTM D5185m	100	38	41	35
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m	450	488	489	451
Calcium	ppm	ASTM D5185m	3000	1747	1679	1564
Phosphorus	ppm	ASTM D5185m	1150	763	860	870
Zinc	ppm	ASTM D5185m	1350	924	951	1041
Sulfur	ppm	ASTM D5185m	4250	2922	2817	2705
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m		5	5	5
Sodium	ppm	ASTM D5185m		5	8	4
Potassium	ppm	ASTM D5185m	>20	ະ <1	3	1
Fuel	ppm %	ASTM D3763111	>5	<1.0	<1.0	<1.0
ruei	70	A3 11VI D3324	>0	<1.0	<1.0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.8	7.3	7.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	22.0	21.5
FLUID DEGRADA	TION _	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1	16.6	19.7
Base Number (BN)		ASTM D2896				
Dase Mulliber (DIN)	mg KOH/g	79 LINI D5030	8.5	9.9	8.5	9.2



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

: WC0908866 Lab Number : 06199946

Unique Number : 11062069

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

Diagnosed

: 07 Jun 2024 : 07 Jun 2024 - Jonathan Hester Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

: 05 Jun 2024

3219 WEST MAY ST WICHITA, KS US 67213 Contact: BILL ORCUTT william.orcutt@wildcat.net

SHERWOOD CONSTRUCTION CO INC

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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