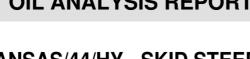


OIL ANALYSIS REPORT

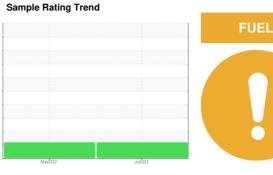




KANSAS/44/HY - SKID STEER
53.157L [KANSAS^44^HY - SKID STEER]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (2 GAL)



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring.

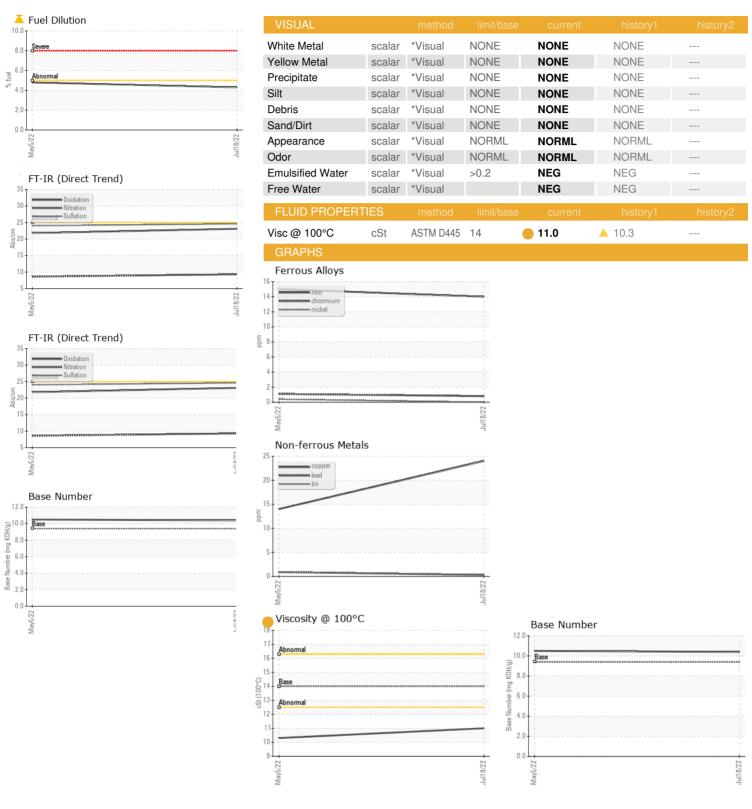
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

901 E11101140 (E	G/TL)					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0703463	WC0672461	
Sample Date		Client Info		18 Jul 2022	05 May 2022	
Machine Age	hrs	Client Info		489	327	
Oil Age	hrs	Client Info		0	327	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				ATTENTION	ABNORMAL	
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	14	15	
Chromium	ppm	ASTM D5185m		<1	1	
Nickel	ppm	ASTM D5185m	>2	0	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver		ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m		3	3	
Lead		ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m		24	14	
Coppei Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m	>10	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
	ppm					
ADDITIVES		method	limit/base		history1	history2
Boron	ppm	ASTM D5185m	0	55	47	
Barium	ppm	ASTM D5185m		1	0	
Molybdenum	ppm	ASTM D5185m	0	40	40	
Manganese	ppm	ASTM D5185m		2	3	
Magnesium	ppm	ASTM D5185m	0	471	532	
Calcium	ppm	ASTM D5185m		1751	1911	
Phosphorus	ppm	ASTM D5185m		760	911	
Zinc	ppm	ASTM D5185m		969	1077	
Sulfur	ppm	ASTM D5185m		3215	2938	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	14	
Sodium	ppm	ASTM D5185m		3	4	
Potassium	ppm	ASTM D5185m	>20	<1	2	
Fuel	%	ASTM D3524	>5	4.3	4.8	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	9.3	8.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.6	24.0	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.1	21.8	
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.4	23.1 10.4	21.8 10.5	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 05598651

Unique Number : 10063131

: WC0703463

Received **Tested** Diagnosed

: 27 Jul 2022 - Jonathan Hester Test Package : CONST (Additional Tests: PercentFuel, TBN)

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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

: 22 Jul 2022

: 27 Jul 2022

F: x: Submitted By: BRANDEN JAQUIAS

SHERWOOD CONSTRUCTION CO INC

T: (719)499-6303

3219 WEST MAY ST

Contact: BILL ORCUTT

william.orcutt@wildcat.net

WICHITA, KS

US 67213