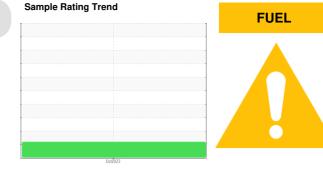


PROBLEM SUMMARY

KANSAS/44/EG - SKID STEER

53.181L [KANSAS^44^EG - SKID STEER]

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

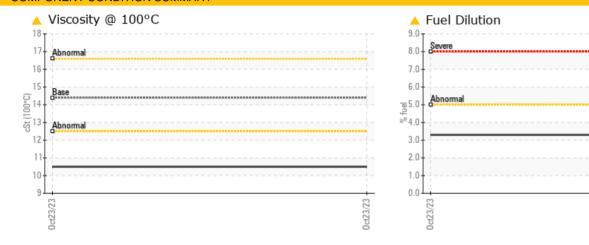


600

COMPONENT CONDITION SUMMARY

Component Diesel Engine

Fluic



RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	
Fuel	%	ASTM D3524	>5	A 3.3	
Visc @ 100°C	cSt	ASTM D445	14.4	10.5	

Customer Id: SHEWIC Sample No.: WC0862647 Lab Number: 05994196 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com 0ct23/23

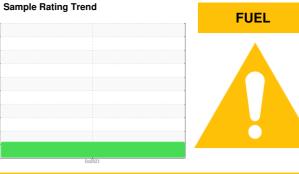
RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

KANSAS/44/EG - SKID STEER 53.181L [KANSAS^44^EG - SKID STEER]



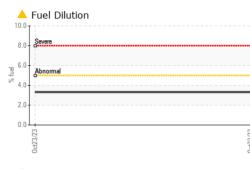
Component **Diesel Engine** Fluid

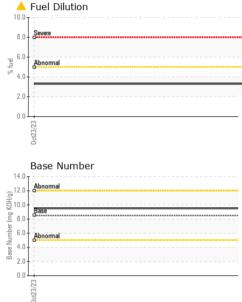
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

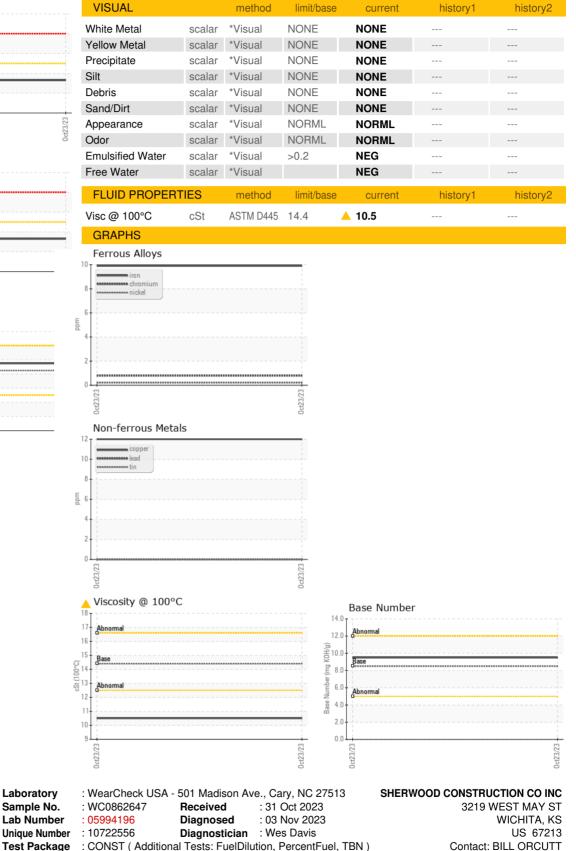
DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		WC0862647		
Resample at the next service interval to monitor.	Sample Date		Client Info		23 Oct 2023		
Please specify the brand, type, and viscosity of the	Machine Age	hrs	Client Info		254		
oil on your next sample.	Oil Age	hrs	Client Info		254		
Wear	Oil Changed		Client Info		Not Changd		
Metal levels are typical for a components first oil	Sample Status				ABNORMAL		
change.	CONTAMINATIO	N	method	limit/base	current	history1	history2
Contamination Light fuel dilution occurring.	Glycol		WC Method		NEG		
Fluid Condition	WEAR METALS		method	limit/base	current	history1	history2
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the	Iron	ppm	ASTM D5185m	>100	10		
oil and is lowering the viscosity. The condition of the	Chromium	ppm	ASTM D5185m		<1		
oil is suitable for further service.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		12		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	250	47		
	Barium	ppm	ASTM D5185m	10	4		
	Molybdenum	ppm	ASTM D5185m	100	34		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m	450	441		
	Calcium	ppm	ASTM D5185m	3000	1771		
	Phosphorus	ppm	ASTM D5185m	1150	893		
	Zinc	ppm	ASTM D5185m	1350	1083		
	Sulfur	ppm	ASTM D5185m	4250	3304		
	CONTAMINANTS	6	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	16		
	Sodium	ppm	ASTM D5185m	>158	5		
	Potassium	ppm	ASTM D5185m	>20	2		
	Fuel	%	ASTM D3524	>5	A 3.3		
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624		7.3		
	Sulfation	Abs/.1mm	*ASTM D7415		21.0		
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5		
	Base Number (BN)		ASTM D2896		9.5		
	Base Number (BN)						



OIL ANALYSIS REPORT







Certificate L2367 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)

Laboratory

Sample No.

william.orcutt@wildcat.net

T:

F: