

PROBLEM SUMMARY

Sample Rating Trend

WATER



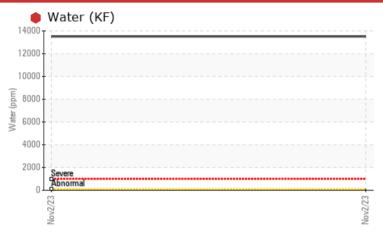
SHELL GRS COMP S4 PGS V 150

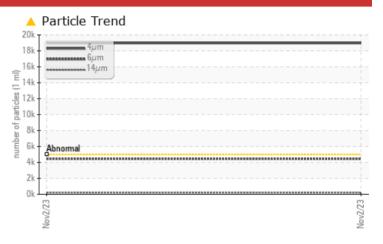
Component

New (Unused) Oil

{not provided} (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Water	%	ASTM D6304		1.351				
ppm Water	ppm	ASTM D6304		13513.7				
Particles >4µm		ASTM D7647	>5000	18967				
Particles >6µm		ASTM D7647	>1300	4451				
Particles >14μm		ASTM D7647	>160	<u>^</u> 214				
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>				

Customer Id: TULTUL07 **Sample No.:** TO70000028 Lab Number: 06000849 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WATER



SHELL GRS COMP S4 PGS V 15

New (Unused) Oil

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

Contamination

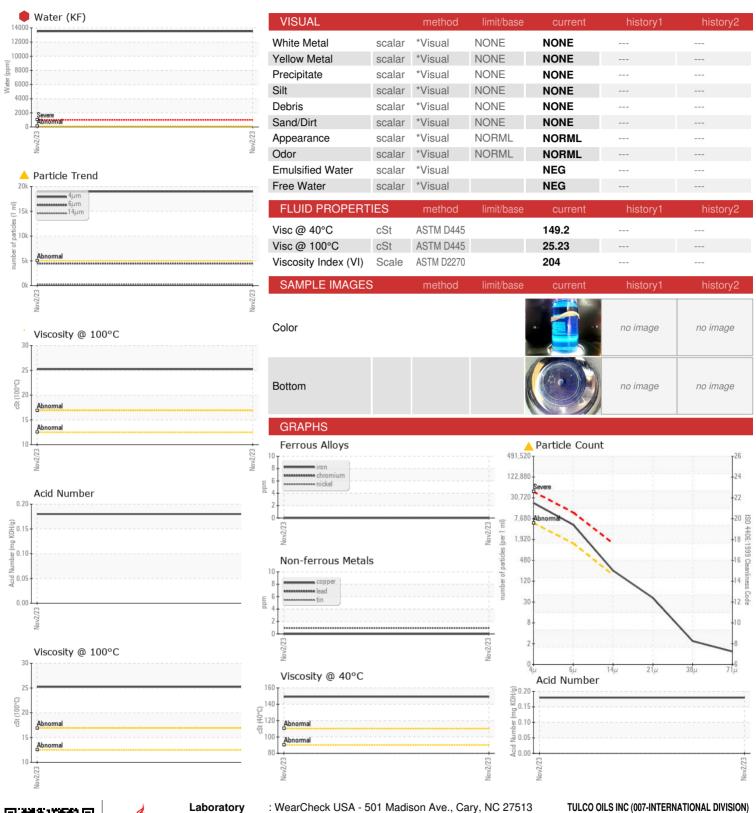
There is a high amount of particulates present in the oil. There is a high concentration of water present in the oil.

E INFORMATION	method	limit/base	current	hi
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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO70000028		
Sample Date		Client Info		02 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	nnm	ASTM D5185m	>5	0		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium		ASTM D5185m	>5	0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	<1		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>5	0		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m	>5	0		
Cadmium	ppm	ASTM D5185m		0		
	ррпп					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		497		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		19		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	5		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304		1.351		
ppm Water	ppm	ASTM D6304		13513.7		
FLUID CLEANLIN	IESS _	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	4451		
Particles >14µm		ASTM D7647	>160	<u>^</u> 214		
Particles >21µm		ASTM D7647	>40	35		
Particles >38µm		ASTM D7647	>10	2		
Particles >71µm		ASTM D7647		1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 21/19/15		
FLUID DEGRADA	LION _	method	limit/base	current	history1	history2
						,
Acid Number (AN)	mg KOH/g	ASTM D8045		0.18		



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 06000849

: TO70000028

Received Diagnosed Diagnostician

: 07 Nov 2023 : 09 Nov 2023 : Jonathan Hester

5240 EAST PINE TULSA, OK US 74115

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: 10729209 Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI) Contact: JIM WESTOVER To discuss this sample report, contact Customer Service at 1-800-237-1369. jimwestover@tulco.com

* - 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)

Report Id: TULTUL07 [WUSCAR] 06000849 (Generated: 11/10/2023 15:47:31) Rev: 1

Contact/Location: JIM WESTOVER - TULTUL07