

PROBLEM SUMMARY

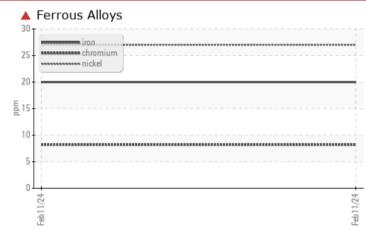
Sample Rating Trend

Area **Pumping** Machine Id **WESTERN STAR 4900 H03** Component

Gearbox

SAE 75W90 (--- LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS									
Sample Status				SEVERE					
Nickel	ppm	ASTM D5185(m)	>10	A 27					

Customer Id: GOLEDM Sample No.: WC0803699 Lab Number: 02623119 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 <u>gloria.gonzalez@wearcheck.com</u>

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.			
Resample			?	We recommend an early resample to monitor this condition.			
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

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Area **Pumping** Machine Id **WESTERN STAR 4900 H03** Component

Gearbox Fluid SAE 75W90 (--- LTR)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

🔺 Wear

Nickel ppm levels are severe.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

				Feb2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0803699		
Sample Date		Client Info		11 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				SEVERE		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>200	20		
Chromium	ppm	ASTM D5185(m)	>10	8		
Nickel	ppm	ASTM D5185(m)	>10	4 27		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	2		
Lead	ppm	ASTM D5185(m)	>50	3		
Copper	ppm	ASTM D5185(m)	>200	3		
Tin	ppm	ASTM D5185(m)	>10	<1		
Antimony	ppm	ASTM D5185(m)	>5	10		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	150	57		
Barium	ppm	ASTM D5185(m)	5	<1		
Molybdenum	ppm	ASTM D5185(m)	0	124		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	0	6		
Calcium	ppm	ASTM D5185(m)	20	48		
Phosphorus	ppm	ASTM D5185(m)	1200	1360		
Zinc	ppm	ASTM D5185(m)	25	66		
Sulfur	ppm	ASTM D5185(m)	22000	22269		
Lithium	ppm	ASTM D5185(m)		8		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	10		
Sodium	ppm	ASTM D5185(m)		83		
Potassium	ppm	ASTM D5185(m)	>20	8		



Ferrous Allovs

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Feb 1

Abnormal

Abnorma 90 80

Feb 1 PQ 250

200 Se

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Feb 1

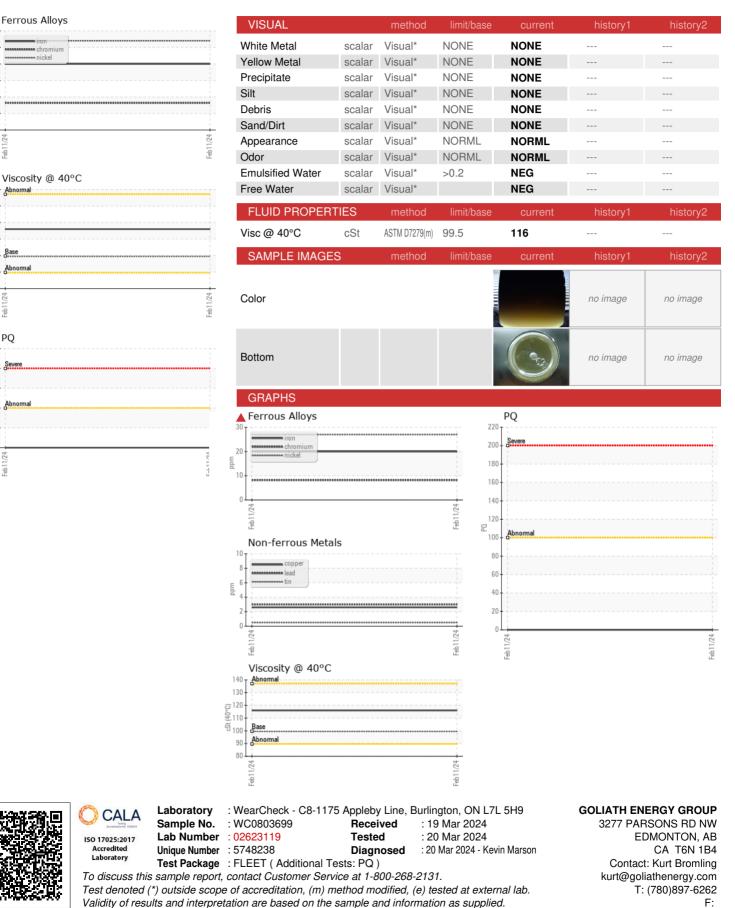
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OIL ANALYSIS REPORT



Report Id: GOLEDM [WCAMIS] 02623119 (Generated: 03/20/2024 13:38:06) Rev: 1

Contact/Location: Kurt Bromling - GOLEDM