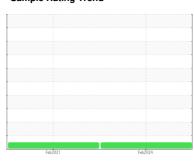


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id 006 Component Hydraulic System Fluid

Fluid {not provided} (--- QTS)

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	-	VII	N	U	J	

#### Recommendation

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

#### Wear

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the

## **Fluid Condition**

The condition of the oil is acceptable for the time in service.

			Feb 2021	Feb 2024		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0906998	WC0531088	
Sample Date		Client Info		29 Feb 2024	04 Feb 2021	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		6427	0	
Oil Changed		Client Info		N/A	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	2	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>75	5	4	
Tin	ppm	ASTM D5185m	>10	0	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		3	2	
				•	_	
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base			history2
Boron	ppm	ASTM D5185m	limit/base	current 0	history1	
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	current	history1 2 0	
Boron Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0	history1	
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m	limit/base	current 0 0 0	history1 2 0 <1	
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0	history1 2 0 <1 0	
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 0 0 0 107	history1 2 0 <1 0 118	
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0	history1 2 0 <1 0 0	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 0 0 0 107 458	history1  2  0 <1  0  118  581	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current  0  0  0  0  0  107  458  691	history1  2  0 <1  0  118  581  779	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current  0  0  0  0  0  107  458  691  1617	history1  2  0 <1  0  118  581  779  1464	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current  0 0 0 0 0 107 458 691 1617  Current	history1  2  0 <1  0 0 118 581 779 1464 history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20	current 0 0 0 0 0 107 458 691 1617 current	history1  2  0 <1  0 0 118 581 779 1464 history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20	current 0 0 0 0 0 107 458 691 1617 current 2	history1  2  0 <1  0 0 118 581 779 1464 history1 4	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20 >20	current 0 0 0 0 0 107 458 691 1617 current 2 1	history1  2  0 <1  0 0 118 581 779 1464 history1 4 2 0	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >20 >20 limit/base	current  0  0  0  0  107  458  691  1617  current  2  1  0  current	history1  2  0 <1  0 0  118 581 779 1464 history1  4  2  0 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >20 >20 limit/base NONE	Current  0 0 0 0 0 107 458 691 1617  current 2 1 0  current	history1  2  0 <1 0 0 118 581 779 1464 history1 4 2 0 history1 NONE	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method  *Visual  *Visual	limit/base >20 >20 limit/base NONE NONE	Current  0 0 0 0 0 107 458 691 1617 Current 2 1 0 current NONE	history1 2 0 <1 0 0 118 581 779 1464 history1 4 2 0 history1 NONE NONE	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method  *Visual  *Visual	limit/base >20 >20 limit/base NONE NONE NONE	Current  0  0  0  0  107  458  691 1617  Current  2  1  0  Current  NONE  NONE  NONE	history1  2  0 <1  0 0 118 581 779 1464 history1 4 2 0 history1 NONE NONE	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  METHOD  ASTM D5185m  **Visual  **Visual  **Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE	Current  0 0 0 0 0 107 458 691 1617  Current 2 1 0  Current NONE NONE NONE	history1  2  0 <1  0 0 118 581 779 1464 history1 4 2 0 history1 NONE NONE NONE	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  Method ASTM D5185m ASTM D5185m  *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE	Current  0 0 0 0 0 107 458 691 1617 Current 2 1 0 Current NONE NONE NONE NONE NONE NONE	history1  2  0 <1  0 0 118 581 779 1464 history1 4 2 0 history1 NONE NONE NONE NONE NONE NONE	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  Method ASTM D5185m ASTM D5185m  *Visual *Visual *Visual *Visual *Visual *Visual *Visual	limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	Current  0  0  0  0  107  458  691  1617  Current  2  1  0  Current  NONE  NONE	history1 2 0 <1 0 0 118 581 779 1464 history1 4 2 0 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2

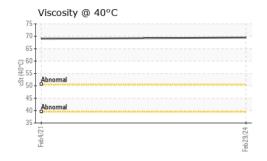
Sulphicited By: RANDY PRICE

NEG

scalar \*Visual

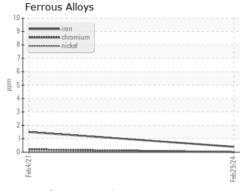


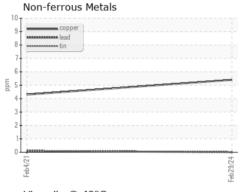
## **OIL ANALYSIS REPORT**

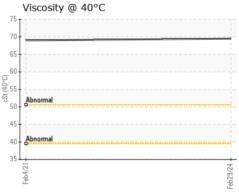


FLUID PROPER	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		69.5	69.0	
SAMPLE IMAGE	ES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
ODADUO						

## GRAPHS









Certificate L2367

Laboratory Sample No.

: WC0906998 Lab Number : 06121235 Unique Number : 10930068 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Mar 2024 Tested : 19 Mar 2024

Diagnosed : 19 Mar 2024 - Wes Davis

**NORTH RICHLAND FIRE** 7202 DICK FISHER DR N NORTH RICHLAND HILLS, TX

US 76180 Contact: CHARLES GOGGONS

cgoggons@nrhfd.com

T: (817)427-6922

\* - 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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