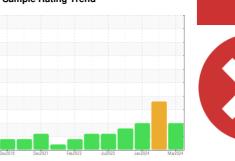


Machine Id

PROBLEM SUMMARY

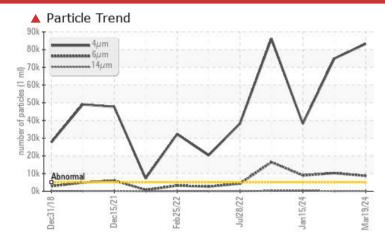
Sample Rating Trend



ISO

TR-4
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC T	EST RESULTS				
Sample Status			SEVERE	SEVERE	ABNORMAL
Particles >4µm	ASTM D7647	>5000	83270	▲ 74927	<u></u> 38110
Particles >6µm	ASTM D7647	>1300	▲ 8688	▲ 10260	▲ 8972
Oil Cleanliness	ISO 4406 (c)	>19/17/14	4 24/20/14	2 3/21/14	<u>22/20/16</u>

Customer Id: METYOU Sample No.: WC06124928 Lab Number: 06124928 Test Package: IND 2



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

RECOMMENDED ACTIONS Action **Status** Date Done By Description Change Filter ? We recommend you service the filters on this component. Resample ? Resample in 30-45 days to monitor this situation. Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore ? Alert generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Please specify the brand, type, and viscosity of the oil on your next sample. NOTE: Please ? provide information regarding reservoir capacity, filter type and micron rating with next Information Required The air breather requires service. If unrated, we recommend that you replace with a **Check Breathers** suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Check Seals ? Check seals and/or filters for points of contaminant entry.

HISTORICAL DIAGNOSIS

15 Feb 2024 Diag: Wes Davis

ISO

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



15 Jan 2024 Diag: Jonathan Hester

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



20 Dec 2023 Diag: Doug Bogart

ISO



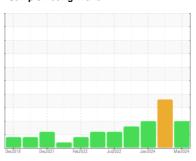
We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend





TR-4
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Machine Id

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with 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 a high amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

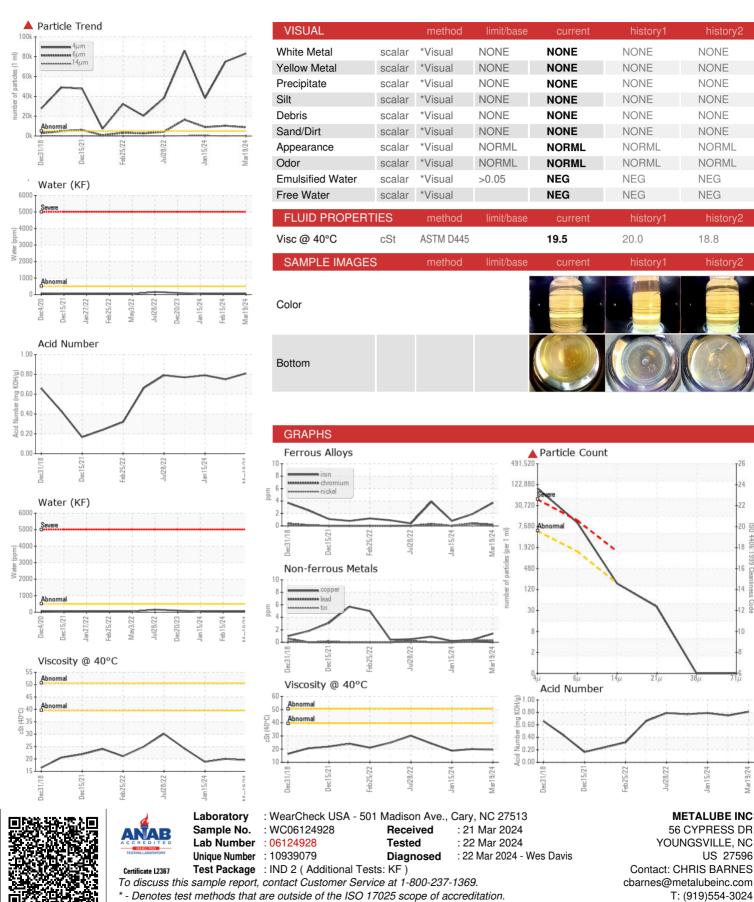
Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

		Dec2018	Dec2021 Feb2022	Jul2022 Jan2024	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC06124928	WC06093615	WC06062685
Sample Date		Client Info		19 Mar 2024	15 Feb 2024	15 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	2	<1
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	1
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	1	<1	<1
Tin	ppm	ASTM D5185m	>20	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		16	23	3
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		29	40	14
Phosphorus	ppm	ASTM D5185m		256	260	289
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		4329	3564	3875
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		1	2	0
Potassium	ppm	ASTM D5185m		0	3	<1
Water	%	ASTM D6304	>0.05	0.005	0.005	0.004
ppm Water	ppm	ASTM D6304	>500	58	53	41
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	83270	▲ 74927	<u></u> 38110
Particles >6µm		ASTM D7647	>1300	<u>A</u> 8688	▲ 10260	<u>▲</u> 8972
Particles >14μm		ASTM D7647	>160	158	104	△ 354
Particles >21µm		ASTM D7647	>40	34	14	<u>▲</u> 53
Particles >38μm		ASTM D7647	>10	0	0	1
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	2 4/20/14	2 3/21/14	<u>22/20/16</u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.81	0.75	0.79



OIL ANALYSIS REPORT



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

F: (919)554-3023