

PROBLEM SUMMARY

Sample Rating Trend

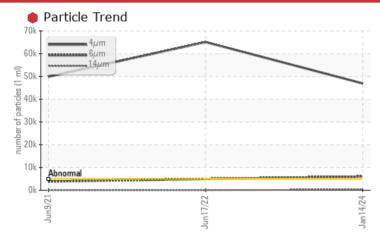


950-3 (S/N MMG816W79)

Hydraulic System

PROLUBE AW 46 (1700 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation.

PROBLEMATIC TEST RESULTS							
Sample Status			SEVERE	SEVERE	SEVERE		
Particles >4µm	ASTM D7647	>5000	46948	65093	49883		
Particles >6µm	ASTM D7647	>1300	△ 6042	△ 4965	<u></u> 3831		
Oil Cleanliness	ISO 4406 (c)	>19/17/14	23/20/15	23/19/13	23/19/13		

Customer Id: JOH645MIS Sample No.: WC0679983 Lab Number: 02608997 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: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS Action **Status** Date Done By Description ? Resample Resample in 30-45 days to monitor this situation. 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

17 Jun 2022 Diag: Kevin Marson

ISO



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. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. Particles >4µm and oil cleanliness are severely high. Particles >6µm are abnormally high. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



09 Jun 2021 Diag: Wes Davis

ISO



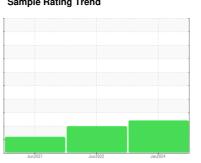
Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.All component wear rates are normal. Particles >4µm are severely high. Particles >6µm are abnormally high. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend





950-3 (S/N MMG816W79)

Hydraulic System

PROLUBE AW 46 (1700 LTR)

DIAGNOSIS

Recommendation

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. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

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.

						X
SAMPLE INFORM	MATION	method	limit/base	Junž022 Janž0	history1	history2
Sample Number		Client Info		WC0679983	WC0679966	WC905915
Sample Date		Client Info		14 Jan 2024	17 Jun 2022	09 Jun 2021
Machine Age	yrs	Client Info		10	14	0
Oil Age	yrs	Client Info		5	5	0
Oil Changed		Client Info		Filtered	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
CONTAMINATION	١	method	limit/base	current	history1	history2

CONTAMINATION		metnoa	ilmit/base	current	nistory i	nistory2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	5	8	7
Chromium	ppm	ASTM D5185(m)	>20	<1	1	2
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>20	<1	<1	0
Copper	ppm	ASTM D5185(m)	>20	2	7	5
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2

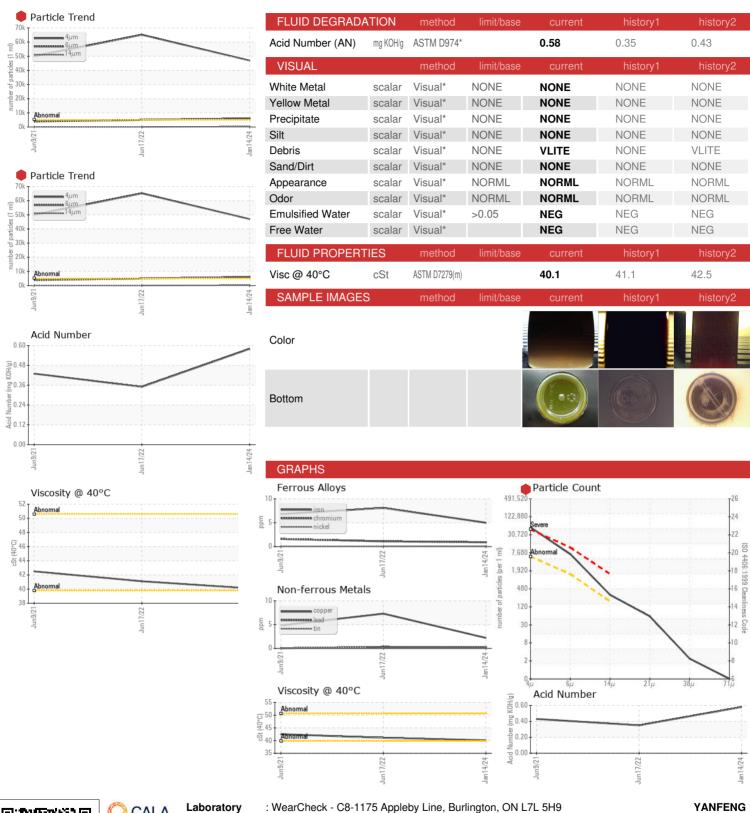
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	0	<1
Barium	ppm	ASTM D5185(m)		9	2	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		2	<1	2
Calcium	ppm	ASTM D5185(m)		13	4	27
Phosphorus	ppm	ASTM D5185(m)		472	321	321
Zinc	ppm	ASTM D5185(m)		491	269	362
Sulfur	ppm	ASTM D5185(m)		1102	764	869
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	3	method	limit/base	current	history1	history2

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1	<1	<1
Sodium	ppm	ASTM D5185(m)		0	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
ELLID CLEANLIN	IECC	mathad	limit/bass	ourront.	biotomid	hiotomyO

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	46948	65093	49883
Particles >6µm	ASTM D7647	>1300	<u></u> 6042	4965	▲ 3831
Particles >14μm	ASTM D7647	>160	266	53	65
Particles >21μm	ASTM D7647	>40	51	10	17
Particles >38μm	ASTM D7647	>10	2	1	1
Particles >71μm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	23/20/15	23/19/13	23/19/13



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number Unique Number

: WC0679983 : 02608997 : 5710083 Test Package : IND 2

Recieved : 16 Jan 2024 Diagnosed : 17 Jan 2024 : Wes Davis Diagnostician

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

6450 CANTAY ROAD MISSISSAUGA, ON CA L5R 4J6 Contact: Mark Buchanan

mark.buchanan@yanfeng.com T: (905)502-3844