

PROBLEM SUMMARY

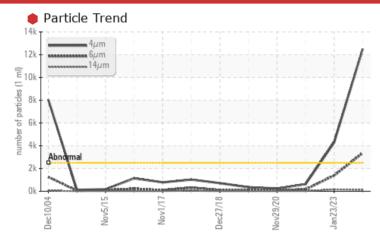
Sample Rating Trend

NISSEI B-03 (S/N S12210080K1)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (164 GAL)

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. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS										
Sample Status			SEVERE	ABNORMAL	NORMAL					
Particles >4µm	ASTM D7647	>2500	12507	4298	623					
Particles >6µm	ASTM D7647	>320	3362	1389	164					
Oil Cleanliness	ISO 4406 (c)	>18/15/13	2 1/19/14	1 9/18/15	16/15/11					

Customer Id: NIAERI Sample No.: WC0819533 Lab Number: 06064266 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. ? Information Required Please specify the brand, type, and viscosity of the oil on your next sample. 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

23 Jan 2023 Diag: Don Baldridge

150



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.



09 Nov 2021 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



29 Nov 2020 Diag: Doug Bogart

NORMAL

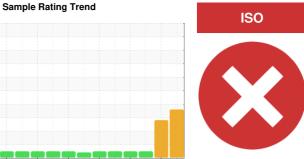


Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



NISSEI B-03 (S/N S12210080K1)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (164 GAL)

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. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. 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 system cleanliness code is much higher than the acceptable limit for the target ISO 4406 cleanliness code.

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.

Sample Date Client Info 17 Jan 2024 23 Jan 2023 09 Nov 2021 Machine Age yrs Client Info 0 0 0 0 Oil Age yrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status SEVERE ABNORMAL NORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >20 0 <1		Osc2004 Nov2015 Nov2017 Osc2018 Nov2020 Jan2023						
Sample Date	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Machine Age yrs Client Info 0 0 0 0 Oil Age yrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status SEVERE ABNORMAL NORMAL CONTAMINATION method Imit base current history1 history2 Water WC Method >0.05 NEG NEG NEG WEAR METALS method Imit base current history1 history2 Iron ppm ASTM D5185m ≥20 0 <1 <1 Chromium ppm ASTM D5185m ≥20 0 0 0 Nickel ppm ASTM D5185m ≥20 0 0 0 Silver ppm ASTM D5185m >20 0 0 0 Capper ppm ASTM D5185m >20 0 <1 0 Capper p	Sample Number		Client Info		WC0819533	WC0768457	WC0631241	
Oil Age yrs Client Info N/A Patrioles > 21 2 2 </td <td>Sample Date</td> <td></td> <td>Client Info</td> <td></td> <th>17 Jan 2024</th> <td>23 Jan 2023</td> <td>09 Nov 2021</td>	Sample Date		Client Info		17 Jan 2024	23 Jan 2023	09 Nov 2021	
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Copper ppm ASTM D5185m >20 7 8 7 Tin ppm ASTM D5185m >20 <1	Aluminum	ppm	ASTM D5185m	>20	0	0	0	
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Manganese ppm ASTM D5185m <1 0 <1 Magnesium ppm ASTM D5185m 25 1 <1	Molybdenum	ppm	ASTM D5185m	5	0	0	0	
Magnesium ppm ASTM D5185m 25 1 <1 0 Calcium ppm ASTM D5185m 200 45 45 47 Phosphorus ppm ASTM D5185m 300 257 241 257 Zinc ppm ASTM D5185m 370 251 250 232 Sulfur ppm ASTM D5185m 2500 1419 1419 1241 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 <1		ppm	ASTM D5185m		<1	0	<1	
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Particles >6μm ASTM D7647 >320 ■ 3362 Δ 1389 164 Particles >14μm ASTM D7647 >80 ▲ 112 ▲ 169 18 Particles >21μm ASTM D7647 >20 13 ▲ 69 3	FLUID CLEANLII	NESS	method	limit/base	current	history1	history2	
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Particles >21μm ASTM D7647 >20 13 ▲ 69 3	Particles >14µm		ASTM D7647	>80			18	
·	Particles >21µm		ASTM D7647	>20	13	△ 69	3	
	Particles >38µm		ASTM D7647	>4	1	<u> </u>	0	

ASTM D7647 >3

ISO 4406 (c) >18/15/13 **21/19/14**

Particles >71µm

Oil Cleanliness

0

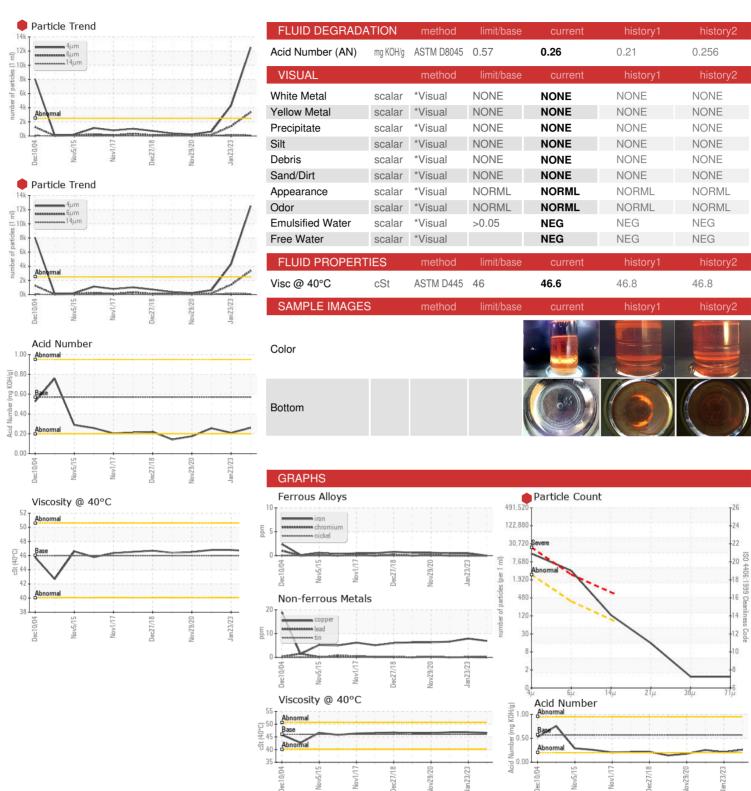
<u></u> 3

19/18/15

16/15/11



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: 06064266 : 10835648 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0819533 Recieved : 18 Jan 2024

: 19 Jan 2024 Diagnosed Diagnostician : Wes Davis

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

* - 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)

NIAGARA PLASTICS - CAPLUGS

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