

OIL ANALYSIS REPORT

1220 Birchmount **A3 NISSEI** Component

Hydraulic System AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

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. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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

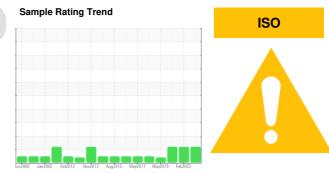
All component wear rates are normal.

Contamination

There is a moderate 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.

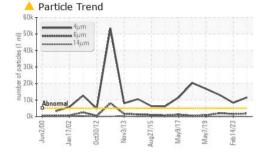


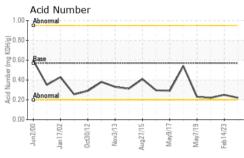
	1012000 081.		Aug2015 May2017 May2019		
MATION	method	limit/base	current	history1	history2
	Client Info		WC0921774	WC0788494	WC0576456
	Client Info		19 Mar 2024	14 Feb 2023	12 Apr 2021
days	Client Info		0	0	0
days	Client Info		0	0	0
	Client Info		N/A	N/A	N/A
			ABNORMAL	ATTENTION	ABNORMAL
N	method	limit/base	current	history1	history2
	WC Method	>0.05	NEG	NEG	NEG
	method	limit/base	current	history1	history2
ppm	ASTM D5185(m)	>20	12	11	10
ppm	ASTM D5185(m)	>20	0	0	<1
ppm	ASTM D5185(m)	>20	0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	<1
ppm	ASTM D5185(m)	>20	0	<1	<1
ppm	ASTM D5185(m)	>20	0	<1	<1
ppm	ASTM D5185(m)	>20	10	10	9
ppm	ASTM D5185(m)	>20	0	<1	<1
ppm	ASTM D5185(m)		0	0	<1
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	0
ppm	ASTM D5185(m)		0	0	0
pp			U	0	0
pp	method	limit/base		history1	history2
ppm		limit/base		-	
	method	5	current	history1	history2
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ppm ppm	method ASTM D5185(m) ASTM D5185(m)	5 5	current 0 2	history1 <1 2	<mark>history2</mark> <1 3
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ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 25 200 300	Current 0 2 0 0 <1 111 265	history1 <1 2 <1 <1 <1 <1 110 288	history2 <1 3 <1 <1 <1 107 253
ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 5 25 200 300 370	Current 0 2 0 0 <1 111 265 283	history1 <1 2 <1 <1 <1 <1 110 288 276	history2 <1 3 <1 <1 <1 <1 107 253 290
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ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 25 200 300 370 2500	Current 0 2 0 0 <1 111 265 283 2314 <1	history1 <1 2 <1 <1 <1 <1 110 288 276 2387 <1	history2 <1 3 <1 <1 <1 107 253 290 2349 <1
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 25 200 300 370 2500	Current 0 2 0 0 <1 1111 265 283 2314 <1 Current	history1 <1	<1
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 25 200 300 370 2500	Current 0 2 0 - 1111 265 283 2314 <1 current	history1 <1 2 <1 <1 <1 2387 2387 <1 history1	<1 3 <1 <1 <1 <1 253 290 2349 <1 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 25 200 300 370 2500 limit/base >15	Current 0 2 0 0 <1 111 265 283 2314 <1 current 0 <1	history1 <1	<1
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 25 200 300 370 2500 limit/base >15 >20	current 0 2 0 - 1111 265 283 2314 <1 current 0 <1 0	history1 <1	<1
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 5 25 200 300 370 2500 2500 limit/base >15 >20 limit/base	Current 0 2 0 - 111 265 283 2314 <1 current 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 Current	history1 <1	<1
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	5 5 5 25 200 300 370 2500 2500 imit/base >20 imit/base >5000	Current 0 2 0 - 1111 265 283 2314 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <11620	history1 <1	<1
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ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647	5 5 5 200 300 370 2500 2500 limit/base >20 limit/base >20 limit/base >5000 >1300 >160	Current 0 2 0 - 1111 265 283 2314 <1 0 <1 0 <1 0 <1 0 <1 0 <11 0 <11 0 <11 0 11620 1813 125	history1 <1	<1
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	5 5 5 25 200 300 370 2500 2500 bimit/base >15 >20 bimit/base >5000 >1300 >160 >160 >40 >10	Current 0 2 0 <1 111 265 283 2314 <1 current 0 <1 current 0 <1 0 <1 0 <11 0 <11 0 <11620 1813 125 34	history1 <1	<1
ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	5 5 5 25 200 300 370 2500 2500 bimit/base >15 >20 bimit/base >5000 >1300 >160 >160 >40 >10	Current 0 2 0 <1 111 265 283 2314 <1 current 0 <1 current 0 <1 0 <10 0 <11620 1813 125 34 3	history1 <1	<1
	days days	Client Info Client Info days Client Info days Client Info Client Info Client Info Client Info Client Info Client Info WC Method WC Method WC Method ppm ASTM D5185(m) ppm ASTM D5185(m)	Client Info Client Info days Client Info days Client Info Client Info Science WC Method >0.05 Method Science Ppm ASTM D5185(m) >20 Ppm ASTM D5185(m) >20 P	Client Info WC0921774 Client Info 19 Mar 2024 days Client Info 0 days Client Info 0 days Client Info N/A Client Info N/A ABNORMAL Client Info N/A ABNORMAL N method limit/base current WC Method >0.05 NEG ppm ASTM D5185(m) >20 12 ppm ASTM D5185(m) >20 0 ppm ASTM D5185(m) >20 0 <t< td=""><td>Client Info WC0921774 WC0788494 Client Info 19 Mar 2024 14 Feb 2023 days Client Info 0 0 days Client Info 0 0 days Client Info 0 0 Client Info N/A N/A Client Info N/A N/A N Method limit/base current history1 WC Method >0.05 NEG NEG method limit/base current history1 ppm ASTM D5185(m) >20 0 0 ppm ASTM D5185(m) >20 0 11 ppm ASTM D5185(m) >20 0 11 ppm ASTM D5185(m) >20 0 11 ppm AST</td></t<>	Client Info WC0921774 WC0788494 Client Info 19 Mar 2024 14 Feb 2023 days Client Info 0 0 days Client Info 0 0 days Client Info 0 0 Client Info N/A N/A Client Info N/A N/A N Method limit/base current history1 WC Method >0.05 NEG NEG method limit/base current history1 ppm ASTM D5185(m) >20 0 0 ppm ASTM D5185(m) >20 0 11 ppm ASTM D5185(m) >20 0 11 ppm ASTM D5185(m) >20 0 11 ppm AST

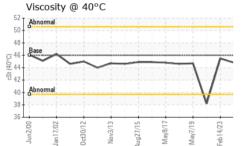


OIL ANALYSIS REPORT

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40k		zm					
30k							
30430		1	1				
20k -		I					
40k - 30k - 20k -		1	1		1	-	~
20k	ormal	J	L	_	/		~

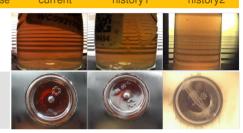




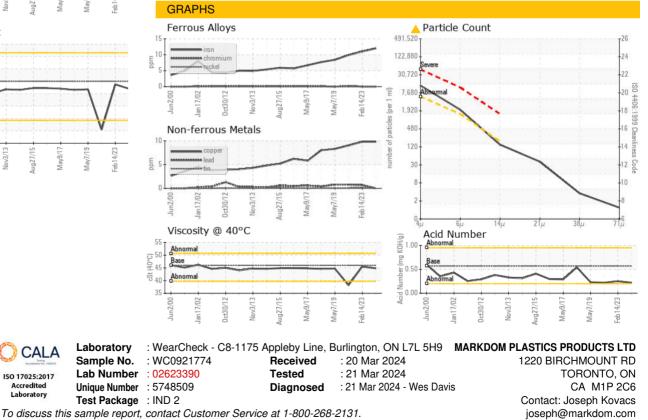


FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.22	0.25	0.22
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	44.8	45.5	▲ 38.2
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
				C0921m		

Color



Bottom



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.

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CALA

ISO 17025:2017 Accredited

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