

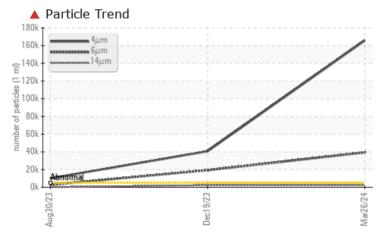
PROBLEM SUMMARY

ROLL SHOP Machine Id 28S Farrel Spindle Iube 8100-28S-SPINDLE Component

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- 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. We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use offline filtration to improve the cleanliness of the system fluid. 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. 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.

Customer Id: CONMUSAL Sample No.: KFS0004783 Lab Number: 06131976 Test Package: IND 2



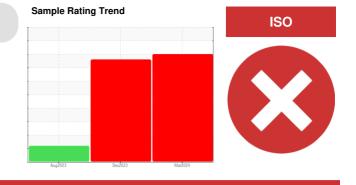
To manage this report scan the QR code

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 <u>customerservice@wearcheck.com</u>

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	SEVERE	ABNORMAL
Particles >4µm	ASTM D7647	>5000	165702	4 0639	▲ 10196
Particles >6µm	ASTM D7647	>1300	39412	19322	<u> </u>
Particles >14µm	ASTM D7647	>160	A 2329	a 2330	138
Particles >21µm	ASTM D7647	>40	620	4 50	27
Particles >38µm	ASTM D7647	>10	<u> </u>	11	2
Oil Cleanliness	ISO 4406 (c)	>19/17/14	4 25/22/18	2 3/21/18	🔺 21/19/14



RECOMMENDED ACTIONS								
Action	Status	Date	Done By	Description				
Change Filter			?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.				
Resample			?	Resample in 30-45 days to monitor this situation.				
Alert			?	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.				
Information Required			?	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 sample.				
Check Breathers			?	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.				
Check Dirt Access			?	We advise that you check all areas where contaminants can enter the system.				
Filter Fluid			?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.				

HISTORICAL DIAGNOSIS



19 Dec 2023 Diag: Wes Davis

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 advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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. 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 particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



ISO

30 Aug 2023 Diag: Wes Davis

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. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.





OIL ANALYSIS REPORT

SAMPLE INFORMATION

hrs

hrs

ppm

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

CONTAMINATION

WEAR METALS

Oil Age

Water

Iron

Nickel

Silver

Lead

Tin

Copper

Vanadium

Cadmium

Boron

Barium

Molvbdenum

Manganese

Magnesium

Phosphorus

Calcium

Zinc

Sulfur

ADDITIVES

Titanium

Aluminum

Chromium

method

Client Info

Client Info

Client Info

Client Info

Client Info

WC Method

ASTM D5185m

ASTM D5185m 5

ASTM D5185m >20

>0.05

>20

>20

>20

>20

>20

>20

5

5

25

200

300

370

2500

ROLL SHOP 28S Farrel Spindle lube 8100-28S-SPINDLE

Hydraulic System AW HYDRAULIC OIL ISO 32 (--- 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 advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use offline filtration to improve the cleanliness of the system fluid. 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. 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

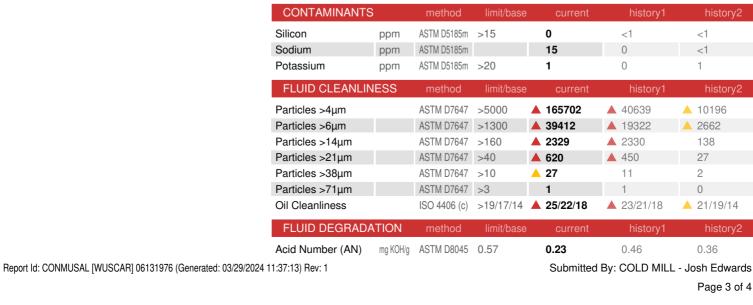
All component wear rates are normal.

Contamination

There is a high amount of particulates (2 to 100 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.



Sample Rating Trend ISO

KFS0004783

26 Mar 2024

0

n

N/A

SEVERE

NEG

ء1

0

1

0

n

<1

0

<1

<1

0

0

0

0

0

<1

1

44

247

397

947

KFS0004895

0

0

N/A

SEVERE

NEG

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

42

268

385

1057

history

KFS0003617

ABNORMAL

NEG

<1

0

 \cap

0

0

<1

<1

<1

<1

<1

0

0

0

3

43

304

391

<1

<1

1

10196

▲ 2662

138

27

2

0

0.36

21/19/14

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1036

<1

0

19 Dec 2023 30 Aug 2023

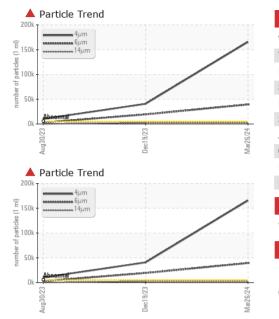
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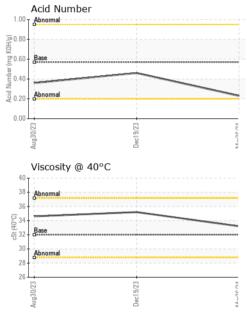
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N/A

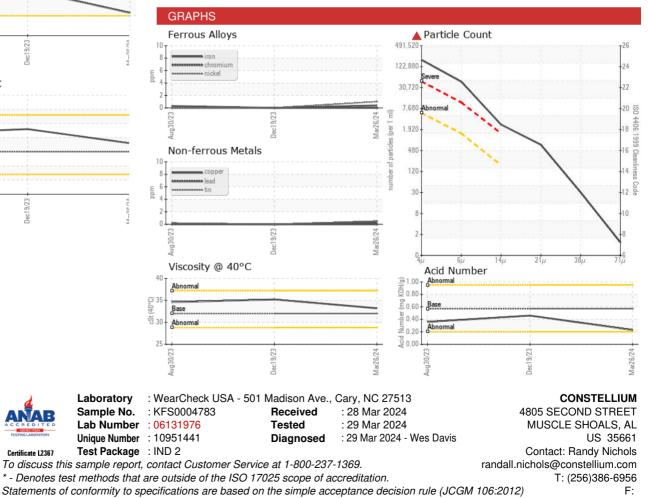


OIL ANALYSIS REPORT





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	LIGHT	LIGHT	LIGHT
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 D445	32	33.2	35.2	34.6
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color	;	method	limit/base	current	history1	history2



Certificate L2367

Submitted By: COLD MILL - Josh Edwards