

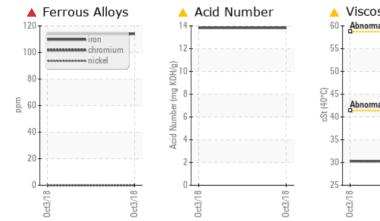
PROBLEM SUMMARY

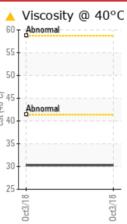
UNIT 3 RED OIL - BAD SAMPLE UNIT 3 - BAD SAMPLE

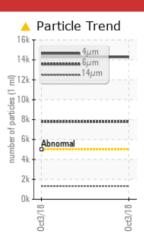
Hydraulic System

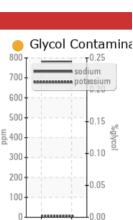
{not provided} (--- GAL)

COMPONENT CONDITION SUMMARY









0ct3/18 ·

WEAR

RECOMMENDATION

The oil change at the time of sampling has been noted.

PROBLEMATIC T	EST RE	SULTS			
Sample Status				SEVERE	
Iron	ppm	ASTM D5185m	>20	1 14	
Particles >4µm		ASTM D7647	>5000	🔺 14288	
Particles >6µm		ASTM D7647	>1300	<u> </u>	
Particles >14µm		ASTM D7647	>160	A 1326	
Particles >21µm		ASTM D7647	>40	<u> </u>	
Particles >38µm		ASTM D7647	>10	6 9	
Particles >71µm		ASTM D7647	>3	<u> </u>	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 21/20/18	
Acid Number (AN)	mg KOH/g	ASTM D8045		A 13.83	
рН	Scale 0-14	ASTM D1287		A 7.00	
Visc @ 40°C	cSt	ASTM D445		A 30.27	

Customer Id: CONMUSAL Sample No.: WC04574296 Lab Number: 04574296 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

WEAR

Machine Id UNIT 3 RED OIL - BAD SAMPLE UNIT 3 - BAD SAMPLE

Hydraulic System

Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted.

A Wear

The iron level is severe. High wear metal levels reflect the reported failure.

Contamination

There is a high amount of particulates present in the oil. The water content is normal.

Fluid Condition

The AN level is high. The oil viscosity is lower than normal. The pH 7.0 is low indicating a high acidity of the fluid. Additive levels indicate the addition of a different brand, or type of fluid.

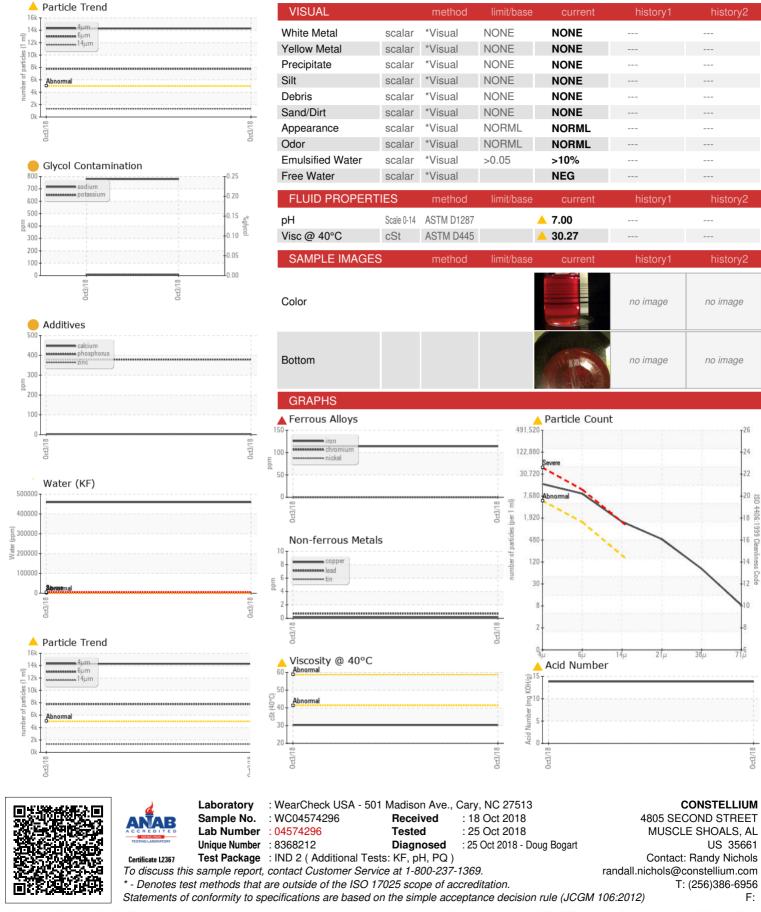
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC04574296		
Sample Date		Client Info		03 Oct 2018		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1 14		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	0		
Antimony	ppm	ASTM D5185m		1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		16		
Barium	ppm	ASTM D5185m		2		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		3		
Phosphorus	ppm	ASTM D5185m		9 379		
Zinc	ppm	ASTM D5185m		1		
Sulfur	ppm	ASTM D5185m		199		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m	>15	779		
Potassium	ppm ppm	ASTM D5185m	>20	7		
Water	%	ASTM D5185III		45.9		
ppm Water	ppm	ASTM D0304 ASTM D6304		459000		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	14288		
Particles >6µm		ASTM D7647		A 7783		
Particles >14µm		ASTM D7647	>160	▲ 1326		
Particles >21µm		ASTM D7647		<u> </u>		
Particles >38µm		ASTM D7647	>10	▲ 69		
Particles >71µm		ASTM D7647		▲ 7		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		13.83		
	niy NOR/9		- + /1			

Report Id: CONMUSAL [WUSCAR] 04574296 (Generated: 07/12/2024 17:05:31) Rev: 1

Contact/Location: CONSTELLIUM - Randy Nichols - CONMUSAL



OIL ANALYSIS REPORT



Contact/Location: CONSTELLIUM - Randy Nichols - CONMUSAL