

OIL ANALYSIS REPORT

Area HOTLINE/120 MILL Machine Id 120 QUICK ROLL CHANGE 120 QUICK ROLL CHANGE

Hydraulic System

QUAKER CHEMICAL QUINTOLUBRIC 888-46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

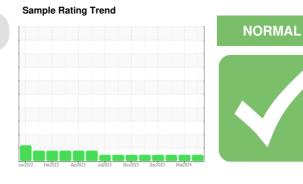
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0004568	KFS0002557	KFS0004632
Sample Date		Client Info		21 Jun 2024	22 Mar 2024	16 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	-	history1	history2
Iron	ppm	ASTM D5185m	>20	0	29	25
Chromium	ppm	ASTM D5185m		0	<1	0
Nickel			>20	0	<1	<1
	ppm		>20	-		
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	00	0	0	0
Aluminum	ppm	ASTM D5185m		0	3	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m		0	<1	0
Tin	ppm		>20	284	300	260
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base		history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	<1	1
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	<1	2
Calcium	ppm	ASTM D5185m		6	7	2
Phosphorus	ppm	ASTM D5185m		107	104	109
Zinc	ppm	ASTM D5185m		0	9	15
Sulfur	ppm	ASTM D5185m		707	620	547
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	2	<1
Sodium	ppm	ASTM D5185m		3	0	0
Potassium	ppm	ASTM D5185m	>20	0	2	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3105	1086	1952
Particles >6µm		ASTM D7647		1018	325	517
Particles >14µm		ASTM D7647	>160	88	21	32
Particles >21µm		ASTM D7647	>40	23	4	7
Particles >38µm		ASTM D7647	>10	3	0	1
Particles >71µm		ASTM D7647	>3	1	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14	17/16/12	18/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	2.0	1.70	3.89	3.81
E-26-42) Dov: 1	- *			Submitted		loop Edwarda

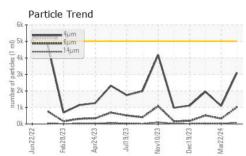
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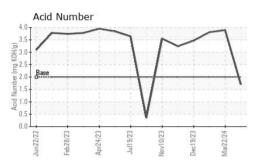
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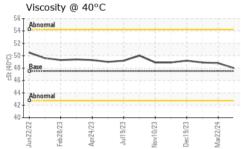
Submitted By: COLD MILL - Josh Edwards

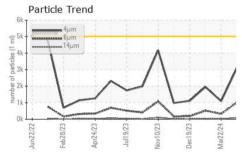


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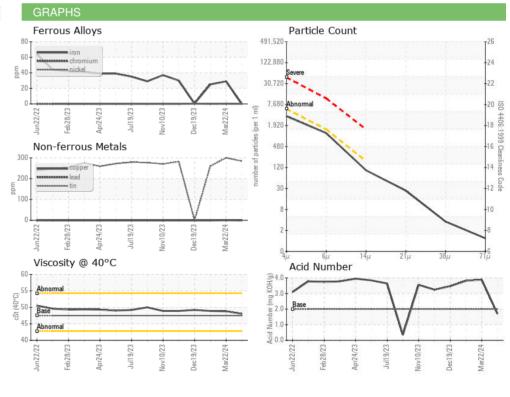








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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 D445	47.5	48.0	48.8	48.9
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 CONSTELLIUM Sample No. : KFS0004568 4805 SECOND STREET Received : 25 Jun 2024 鑎 Lab Number : 06219629 Tested : 26 Jun 2024 MUSCLE SHOALS, AL Unique Number : 11097826 Diagnosed : 26 Jun 2024 - Don Baldridge US 35661 £ Test Package : IND 2 **Contact: Randy Nichols** Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. randall.nichols@constellium.com T: (256)386-6956 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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