

OIL ANALYSIS REPORT

SAMPLE INFORMATION

Sample Rating Trend

NORMAL



HOTLINE/120 MILL Machine Id ROLL BENDING 120 1415-023-2000

Hydraulic System

QUAKER CHEMICAL QUINTOLUBRIC 888-46 (400 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.

May2022	Nov2022	Feb2023	Apr2023	Jul2023	Nov2
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Sample Number		Client Info		KFS0004925	KFS0004886	KFS0003841
Sample Date		Client Info		10 Nov 2023	29 Sep 2023	19 Jul 2023
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
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel		ASTM D5185m	>20	0	0	0
	ppm		>20	0	0	0
Titanium Silver	ppm	ASTM D5185m				0
	ppm	ASTM D5185m	00	0	0	
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	<1
Tin	ppm	ASTM D5185m	>20	297	312	318
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	1	0
Phosphorus	ppm	ASTM D5185m		122	100	110
Zinc	ppm	ASTM D5185m		3	2	3
Sulfur	ppm	ASTM D5185m		595	675	620
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	3	4
Sodium	ppm	ASTM D5185m		1	2	1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1640	104	178
Particles >6µm		ASTM D7647	>1300	711	42	75
Particles >14µm		ASTM D7647	>160	118	5	9
Particles >21µm		ASTM D7647	>40	40	3	2
Particles >38µm		ASTM D7647	>10	1	1	1
Particles >71µm		ASTM D7647		0	1	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/17/14	14/13/10	15/13/10
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.40	1.42	1.45



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Laboratory Sample No. Lab Number **Unique Number**

: KFS0004925 : 06007638 : 10741400

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Nov 2023 Diagnosed : 16 Nov 2023 : Don Baldridge Diagnostician

Test Package : IND 2 (Additional Tests: KF)

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.

CONSTELLIUM

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