

OIL ANALYSIS REPORT

SAMPLE INFORMATION

NORMAL



HOTLINE/120 MILL 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.

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.

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1 2022	1 2022	Feb2023	14 2022	A 2022	1 2022	1 10000	Sep 2023	N 2022
Jun2022	Jan2023	Feb2023	Mar2023	Apr2023	Jun2023	Jul2023	Sep2023	Nov2023

O/NVII EE IIVI OTII		method	IIIIIII Dasc		Thistory	History
Sample Number		Client Info		KFS0004822	KFS0004885	KFS0003801
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	37	29	35
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5105m	>20	0	0	0
Titanium	ppm	ASTM D5185m	>20	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum		ASTM D5185m	>20	0	0	0
	ppm			0	0	0
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20		<1	<1
Tin	ppm	ASTM D5185m	>20	270	277	279
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	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		0	<1	0
Phosphorus	ppm	ASTM D5185m		104	95	103
Zinc	ppm	ASTM D5185m		21	7	8
Sulfur	ppm	ASTM D5185m		622	670	685
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	2	2
Sodium	ppm	ASTM D5185m		1	2	2
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4183	1981	1742
Particles >6µm		ASTM D7647	>1300	1082	406	512
Particles >14µm		ASTM D7647	>160	103	16	39
Particles >21µm		ASTM D7647		28	2	11
Particles >38µm		ASTM D7647	>10	1	0	1
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14	18/16/11	18/16/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

3.55

mg KOH/g ASTM D8045

Acid Number (AN)

0.35

3.64



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Certificate L2367

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

Test Package : IND 2 (Additional Tests: KF)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KFS0004822

Received : 06007639 Diagnosed : 10741401

Diagnostician

: 14 Nov 2023 : 16 Nov 2023 : Don Baldridge

Contact: Randy Nichols randall.nichols@constellium.com T: (256)386-6956

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

CONSTELLIUM

US 35661

4805 SECOND STREET

MUSCLE SHOALS, AL