

History1

12 Jun 2024 0 0 0 N/A N/A ABNORMAL

NONE

NONE

18/16/13 ----

NONE NONE

NONE

NORML

NORML NEG

<1 0 0

0

0

0

2

477

22

2261

0.072

43.0

▲ 25 0

KL0014383 ----

History2

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## Machine Id 61 (S/N 482019-01) Hydraulic System AW HYDRAULIC OIL ISO 46 (--- QTS)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current
Resample at the next service interval to monitor.	Sample Number		Client Info		KL0014394
	Sample Date		Client Info		25 Jun 2024
	Machine Age	hrs	Client Info		0
	Oil Age	hrs	Client Info		0
	Filter Age	hrs	Client Info		0
	Oil Changed		Client Info		N/A
	Filter Changed		Client Info		N/A
	Sample Status				NORMAL
					•
WEAR	Iron	ppm	ASTM D5185m		0
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0
	Nickel	ppm	ASTM D5185m	>20	<1
	Titanium	ppm	ASTM D5185m		0
	Silver Aluminum	ppm	ASTM D5185m	× 20	0
	Lead	ppm	ASTM D5185m ASTM D5185m		0
	Copper	ppm	ASTM D5185m		9
	Tin	ppm	ASTM D5185m	>20	9 <1
	Vanadium	ppm ppm	ASTM D5185m	>20	0
	White Metal	scalar	*Visual	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE
		Jouran	Viouui	NONE	
CONTAMINATION There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.	Silicon	ppm	ASTM D5185m	>15	2
	Potassium	ppm	ASTM D5185m	>20	<1
	Water		WC Method	>0.05	NEG
	Particles >4µm		ASTM D7647	>1300	184
	Particles >6µm		ASTM D7647		54
	Particles >14µm		ASTM D7647		4
	Particles >21µm		ASTM D7647		0
	Particles >38µm		ASTM D7647		0
	Particles >71µm		ASTM D7647		0
	Oil Cleanliness		ISO 4406 (c)		15/13/9
	Silt	scalar	*Visual	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE
	Appearance Odor	scalar	*Visual *Visual	NORML NORML	NORML NORML
		scalar			
	Emulsified Water	scalar	*Visual	>0.05	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2
	Boron	ppm	ASTM D5185m	5	0
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m		0
suitable for further service					

suitable for further service.

0

<1 0

5

492

15

2297

0.092

43.4

ASTM D5185m 5

ASTM D5185m 25

ASTM D5185m 300

ASTM D5185m 2500

200

370

0.57

ASTM D5185m

ASTM D5185m

ASTM D5185m

Molybdenum

Manganese

Magnesium

Phosphorus

Calcium

Zinc

Sulfur

ppm

ppm

ppm

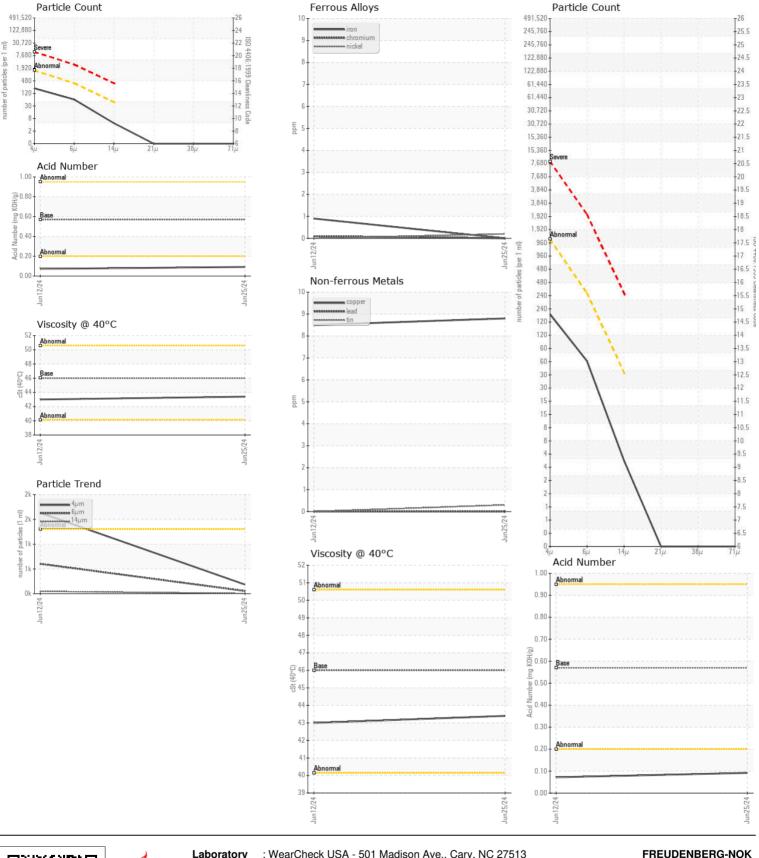
ppm

ppm

ppm

ppm Acid Number (AN) mg KOH/g ASTM D8045

Visc @ 40°C cSt ASTM D445 46



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 FREUDENBERG-NOK Sample No. Received 50 AMMON DR #3308 : KL0014394 : 02 Jul 2024 ٤ġ Lab Number : 06226765 MANCHESTER, NH Tested : 03 Jul 2024 Unique Number : 11110258 : 05 Jul 2024 - Doug Bogart US 03103 Diagnosed Test Package : MOB 2 Contact: CHRIS SMITH Certificate L2367 chris.smith@lwb.us.com 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. T: (937)570-3273 F:

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

Contact/Location: CHRIS SMITH - FREMANKL Page 2 of 2