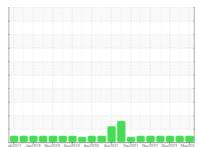


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 0205 (S/N CELL 9 HYDRO UNIT)

Hydraulic System

AW HYDRAULIC OIL ISO 46 (300 GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

Fluid Condition

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

and 2017 Jun 2018 Nove 2018 Aug 2019 Aug 2019 Aug 2020 Aug 2021 Dec 2021 Nove 2022 Nove 2022 Many 2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0781329	WC0781322	WC0761487
Sample Date		Client Info		29 May 2024	25 Feb 2024	16 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	16	14	16
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	<1	0	0
Molybdenum	ppm	ASTM D5185m	5	<1	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	25	2	3	0
Calcium	ppm	ASTM D5185m	200	37	35	24
Phosphorus	ppm	ASTM D5185m	300	408	356	332
Zinc	ppm	ASTM D5185m	370	455	453	414
Sulfur	ppm	ASTM D5185m	2500	1181	999	872
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	3	3
Sodium	ppm	ASTM D5185m		3	3	2
Potassium	ppm	ASTM D5185m		2	2	0
Water	%	ASTM D6304	>0.05	NEG	NEG	NEG
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	984	1198	1113
Particles >6µm		ASTM D7647	>1300	210	345	364
Particles >14μm		ASTM D7647	>160	25	28	35
Particles >21µm		ASTM D7647	>40	9	6	9
Particles >38μm		ASTM D7647	>10	2	0	0
Particles >71μm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	17/16/12	17/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.57

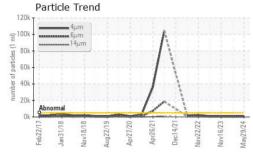
0.48

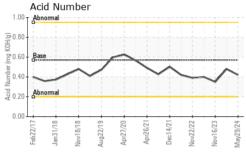
0.42

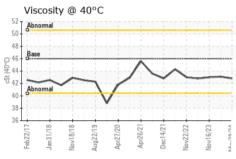
0.35

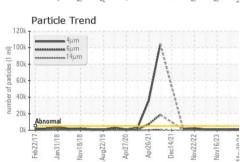


OIL ANALYSIS REPORT









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	TIFS	method	limit/base	current	history1	history2

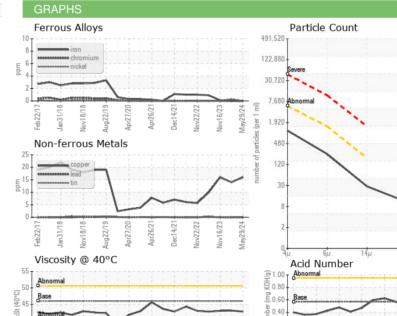
. 20.2						
Visc @ 40°C	cSt	ASTM D445	46	42.8	43.1	43.0

SAMPLE IMAGE	

Color

Bottom

1999 Clea







Laboratory Sample No.

Lab Number : 06200101 Unique Number : 11062224

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0781329 Received

: 05 Jun 2024 **Tested** : 07 Jun 2024 Diagnosed

: 07 Jun 2024 - Don Baldridge

₹ 0.20 00.00 PG

Test Package : PLANT Certificate 12367 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)

MILLS PRODUCTS INC.

2530 NORTHRIDGE DRIVE ATHENS, TN

US 37303

Contact: GREG INDERRIEDEN ginderrieden@millsproducts.com

T: (423)745-9090

Report Id: MILATH [WUSCAR] 06200101 (Generated: 06/07/2024 22:58:56) Rev: 1

Contact/Location: GREG INDERRIEDEN - MILATH