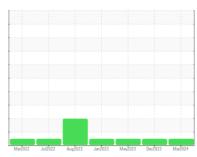


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **BANDER 1**

Component **Hydraulic System**

AW HYDRAULIC OIL ISO 68 (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

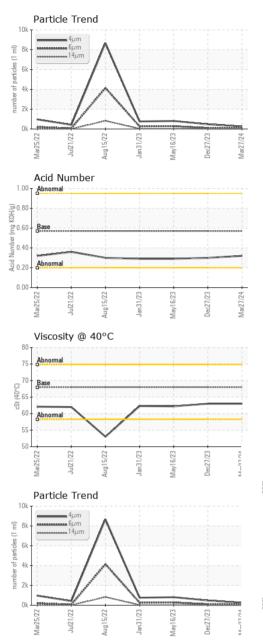
Fluid Condition

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

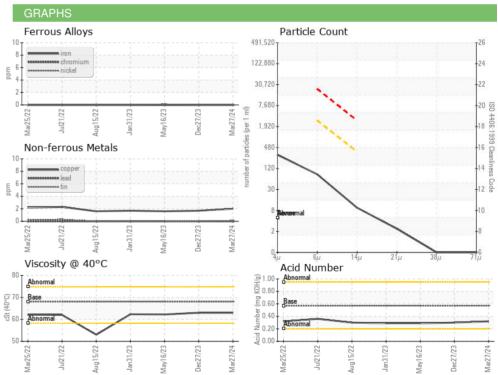
		Mar2022	Jul2022 Aug2022	Jan 2023 May 2023 Dec 2023	Mar2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PTK0005327	PTK0005112	PTK0003994
Sample Date		Client Info		27 Mar 2024	27 Dec 2023	16 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		N/A	N/A	N/A
Sample Status		Oliciit iiilo		NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	2	2	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
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	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	25	0	0	0
Calcium	ppm	ASTM D5185m	200	38	37	42
Phosphorus	ppm	ASTM D5185m	300	356	319	382
Zinc	ppm	ASTM D5185m	370	418	389	449
Sulfur	ppm	ASTM D5185m	2500	2592	2041	3137
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2	2	2
Sodium	ppm	ASTM D5185m		2	<1	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		261	472	812
Particles >6µm		ASTM D7647	>2500	72	102	271
Particles >14µm		ASTM D7647	>320	8	8	27
Particles >21µm		ASTM D7647	>80	2	2	6
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		4 OT1 4 DE0 4E	A	0	0	0
i aiticies >1 iμiii		ASTM D7647	>4	U	U	O
Oil Cleanliness		ISO 4406 (c)	>4	13/10	14/10	15/12
·	ATION					



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	>0.1	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	68	63.0	63.0	62.2
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						
Bottom						







Certificate 12367

Laboratory Sample No.

: PTK0005327 Lab Number : 06218216 Unique Number : 11096413 Test Package : MOB 2

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

: 24 Jun 2024 : 25 Jun 2024 Diagnosed

: 25 Jun 2024 - Wes Davis

1821 MARSHALL ST NE MINNEAPOLIS, MN

US 55418 Contact: DAVE GOURLEY

davidgourley@packagingcorp.com

PCA - PACKAGING CORP OF AMERICA

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

T:

F: