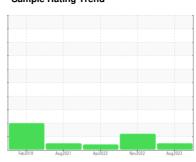


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



# TK24213

Component **Hydraulic System** 

AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGN	10 - 10
DIAGIN	

## Recommendation

Resample at the next service interval to monitor.

#### Wear

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.

		Feb2018	Aug2021	Apr2022 Nov2022	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0689575	WC0741575	WC0646084
Sample Date		Client Info		14 Aug 2023	28 Nov 2022	21 Apr 2022
Machine Age	days	Client Info		0	0	0
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	5	6	6
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	<1	1	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				
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	<1
Barium	ppm	ASTM D5185m	5	0	1	0
Molybdenum	ppm	ASTM D5185m	5	0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	25	2	2	2
Calcium	ppm	ASTM D5185m	200	51	53	54
Phosphorus	ppm	ASTM D5185m	300	340	345	334
Zinc	ppm	ASTM D5185m	370	420	442	440
Sulfur	ppm	ASTM D5185m	2500	5289	4938	3730
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1	1	1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	4523	<b>△</b> 9592	<b>▲</b> 8716
Particles >6µm		ASTM D7647	>1300	803	<u>▲</u> 1317	271
Particles >14μm		ASTM D7647	>160	102	75	13
Particles >21μm		ASTM D7647	>40	26	20	4
Particles >38µm		ASTM D7647	>10	1	3	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/14	<b>△</b> 20/18/13	△ 20/15/11
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.30	0.39	0.30



# **OIL ANALYSIS REPORT**

