

# **OIL ANALYSIS REPORT**

# Windmill Plastics - W02200 A2308140

Component **Hydraulic System** 

AW HYDRAULIC OIL ISO 46 (--- GAL)

# Sample Rating Trend



### Recommendation

This is a baseline read-out on the submitted sample.

### Wear

Copper and iron ppm levels are noted.

### Contamination

{not applicable}

## **Fluid Condition**

{not applicable}

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		E30000052		
Sample Date		Client Info		24 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>20	54		
Chromium	ppm	ASTM D5185(m)	>20	1		
Nickel	ppm	ASTM D5185(m)	>20	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	9		
Copper	ppm	ASTM D5185(m)	>20	40		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		<1		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	1		
Barium	ppm	ASTM D5185(m)	5	<1		
Molybdenum	ppm	ASTM D5185(m)	5	0		
Manganese	ppm	ASTM D5185(m)		2		
Magnesium	ppm	ASTM D5185(m)	25	25		
Calcium	ppm	ASTM D5185(m)	200	30		
Phosphorus	ppm	ASTM D5185(m)	300	457		
Zinc	ppm	ASTM D5185(m)	370	367		
Sulfur	ppm	ASTM D5185(m)	2500	1713		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	3		
Sodium	ppm	ASTM D5185(m)		4		
Potassium	ppm	ASTM D5185(m)	>20	2		
Water	%	ASTM D6304*	>0.05	0.002		
ppm Water	ppm	ASTM D6304*	>500	16.3		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	393		
Particles >6µm		ASTM D7647	>1300	116		
Particles >14μm		ASTM D7647	>160	5		
Particles >21µm		ASTM D7647	>40	1		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/10	ion: Totiona Co-	 kina - CHECOR

Contact/Location: Tatiana Sorkina - CHECOB



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