

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id **2023-RR1 Y008**

Component

Hydraulic System

NOT GIVEN (--- GAL)

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Recommendation

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

Wear

{not applicable}

Contamination

{not applicable}

Fluid Condition

{not applicable}

				Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP		
Sample Date		Client Info		15 Nov 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	46		
Chromium	ppm	ASTM D5185(m)	>20	45		
Nickel	ppm	ASTM D5185(m)	>20	43		
Titanium	ppm	ASTM D5185(m)		45		
Silver	ppm	ASTM D5185(m)		43		
Aluminum	ppm	ASTM D5185(m)	>20	44		
Lead	ppm	ASTM D5185(m)	>20	45		
Copper	ppm	ASTM D5185(m)	>20	47		
Tin	ppm	ASTM D5185(m)	>20	44		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		44		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		45		
ADDITIVES						111
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	limit/base	current 43	history1 	nistory2
	ppm		limit/base			
Boron		ASTM D5185(m)	limit/base	43		
Boron Barium	ppm	ASTM D5185(m) ASTM D5185(m)	limit/base	43 44		
Boron Barium Molybdenum	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	43 44 46		
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	43 44 46 47		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	43 44 46 47 44		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185(m)	limit/base	43 44 46 47 44 51		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	43 44 46 47 44 51 218		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	43 44 46 47 44 51 218		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	43 44 46 47 44 51 218 49 10074		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m)		43 44 46 47 44 51 218 49 10074 39 current	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	43 44 46 47 44 51 218 49 10074 39	 history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m)	limit/base	43 44 46 47 44 51 218 49 10074 39 current	 history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm	ASTM D5185(m)	limit/base >15	43 44 46 47 44 51 218 49 10074 39 current 45 42	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm	ASTM D5185(m)	limit/base >15 >20	43 44 46 47 44 51 218 49 10074 39 current 45 42 41	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >15 >20 limit/base	43 44 46 47 44 51 218 49 10074 39 current 45 42 41 current	history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm	ASTM D5185(m)	limit/base >15 >20 limit/base NONE	43 44 46 47 44 51 218 49 10074 39 current 45 42 41 current NONE	history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm	ASTM D5185(m) METHOD ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual*	limit/base >15 >20 limit/base NONE	43 44 46 47 44 51 218 49 10074 39 current 45 42 41 current NONE NONE NONE	history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) Wisual* Visual*	limit/base >15 >20 limit/base NONE NONE NONE	43 44 46 47 44 51 218 49 10074 39 current 45 42 41 current NONE NONE	history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm	ASTM D5185(m) MASTM D5185(m) MASTM D5185(m) MEthod ASTM D5185(m) ASTM D5185(m) Wethod Visual* Visual* Visual*	limit/base >15 >20 limit/base NONE NONE NONE NONE	43 44 46 47 44 51 218 49 10074 39 current 45 42 41 current NONE NONE NONE	history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm	ASTM D5185(m) MASTM D5185(m) MASTM D5185(m) MEthod ASTM D5185(m) MODERATION	limit/base >15 >20 limit/base NONE NONE NONE NONE NONE NONE	43 44 46 47 44 51 218 49 10074 39 current 45 42 41 current NONE NONE NONE NONE NONE NONE	history1 history1	history2 history2

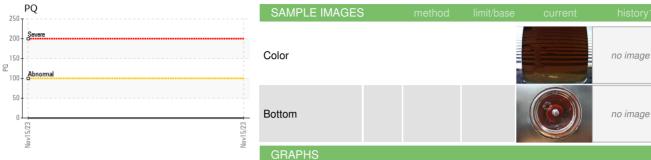
scalar Visual* NORML

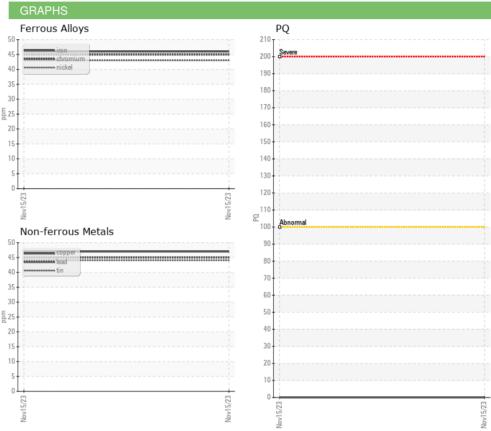
Odor

NORML



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number

: PP : 02596971 Unique Number : 5682051 Test Package : TEST (Additional Tests: ICP, PQ)

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received Diagnosed

: 16 Nov 2023 : 17 Nov 2023 Diagnostician : Bill Quesnel

Alpha Maintenance Systems WearCheck Belgium, 713 Bergensesteenweg

St.-Pieters-Leeuw, ZZ BE B-1600

no image

no image

Contact: Kenny De Smet Kenny.DESMET@alphams.eu T:

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

F: 3(202)361-3458