

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

DELIQUIDIZED UPSTREAM

Component Unknown Component Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

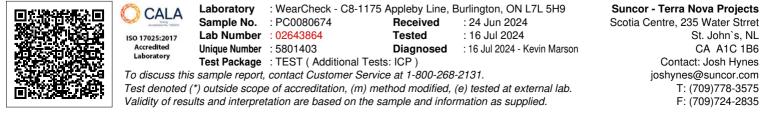
This is a baseline read-out on the submitted sample.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0080674		
Sample Date		Client Info		23 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT		method	limit/base	current	history1	history2
Water		WC Method	initi/base	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron		ASTM D5185(m)		304		
Chromium	ppm ppm	ASTM D5185(m)		2		
Nickel	ppm	ASTM D5185(m)		1		
Titanium	ppm	ASTM D5185(m)		0		
Silver		ASTM D5185(m)		0		
Aluminum	ppm ppm	ASTM D5185(m)		2		
Lead	ppm	ASTM D5185(m) ASTM D5185(m)		2		
Copper	ppm	ASTM D5185(m)		<1		
Tin		ASTM D5185(m)		<1		
Antimony	ppm ppm	ASTM D5185(m)		0		
Vanadium		ASTM D5185(m) ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
	ppm	A31W D3103(III)		0		
ADDITIVES		method			history1	history2
						· · · · ·
Boron	ppm	ASTM D5185(m)		8		
Boron Barium	ppm ppm	ASTM D5185(m)		3		
Boron Barium Molybdenum	ppm ppm	ASTM D5185(m) ASTM D5185(m)		3 <1		
Boron Barium Molybdenum Manganese	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3 <1 2		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3 <1 2 1		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3 <1 2 1 29		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3 <1 2 1 29 612360		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3 <1 2 1 29 612360 2	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3 <1 2 1 29 612360 2 55	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3 <1 2 1 29 612360 2	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	3 <1 2 1 29 612360 2 55	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	3 <1 2 1 29 612360 2 55 <1	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	3 <1 2 1 29 612360 2 55 <1 current	 history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D5185(m)	limit/base	3 <1 2 1 29 612360 2 55 <1 current 11	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3 <1 2 1 29 612360 2 55 <1 <i>current</i> 11 74	 history1 	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185(m) ASTM D5185(m)	>20	3 <1 2 1 29 612360 2 55 <1 current 11 74 <1	history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	>20 limit/base	3 <1 2 1 29 612360 2 55 <1 <i>current</i> 11 74 <1 <i>current</i>	 history1 history1 	 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	>20 limit/base NONE	3 <1 2 1 29 612360 2 55 <1 <i>current</i> 11 74 <1 <i>current</i> NONE	 history1 history1 	 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar	ASTM D5185(m) ASTM D5185(m) Visual*	>20 limit/base NONE NONE	3 <1 2 1 29 612360 2 55 <1 current 11 74 <1 current NONE NONE	 history1 history1 	 history2 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) Visual* Visual*	>20 limit/base NONE NONE NONE	3 <1 2 1 29 612360 2 55 <1 current 11 74 <1 current NONE NONE NONE	 history1 history1 	 history2 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual*	>20 limit/base NONE NONE NONE NONE	3 <1 2 1 29 612360 2 55 <1 current 11 74 <1 current NONE NONE NONE NONE	 history1 history1 	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual* Visual*	>20 limit/base NONE NONE NONE NONE NONE	3 <1 2 1 29 612360 2 55 <1 current 11 74 <1 current NONE NONE NONE NONE NONE NONE NONE	 <li< th=""><th></th></li<>	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual* Visual* Visual*	>20 limit/base NONE NONE NONE NONE NONE	3 <1 2 1 29 612360 2 55 <1 Current 11 74 <1 Current NONE NONE NONE NONE NONE NONE NONE NONE	 <li< td=""><td></td></li<>	



OIL ANALYSIS REPORT

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image
GRAPHS					



Report Id: TERHAM [WCAMIS] 02643864 (Generated: 07/16/2024 09:42:03) Rev: 2

Contact/Location: Josh Hynes - TERHAM Page 2 of 2