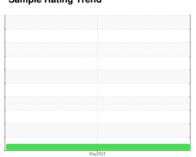


OIL ANALYSIS REPORT

Sample Rating Trend







050824S-01 Component Fluid Fluid

{not provided} (--- GAL)

DIAGNOSIS

Machine Id

Recommendation

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

Client Info					May2024		
Client Info							
Client Info	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		WC06176673		
Dil Changed	Sample Date		Client Info		08 May 2024		
Dil Changed Client Info N/A NORMAL NOR	Machine Age	hrs	Client Info		0		
NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL	Oil Age	hrs	Client Info		0		
WEAR METALS method limit/base current history1 history2 oron ppm ASTM D5185m 25	Oil Changed		Client Info		N/A		
Description	Sample Status				NORMAL		
ASTM D5185m Silver D5185m D5185	WEAR METALS		method	limit/base	current	history1	history2
ASTM D5185m Q	Iron	ppm	ASTM D5185m		25		
Description	Chromium	ppm	ASTM D5185m		<1		
ASTM D5185m D	Nickel	ppm	ASTM D5185m		2		
Alluminum	Titanium		ASTM D5185m		0		
Astronometric Astronometri	Silver		ASTM D5185m		0		
December December	Aluminum						
Description	Lead						
ASTM D5185m Quantificial ppm Quantificial							
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 8 Magnesium ppm ASTM D5185m 3 Phosphorus ppm ASTM D5185m 3 Phosphorus ppm ASTM D5185m 3 Zinc ppm ASTM D5185m 3 Zinc ppm ASTM D5185m 3433 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>					-		
ADDITIVES							
ADDITIVES					•		
Boron ppm ASTM D5185m Q		ррпп					
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 8 Phosphorus ppm ASTM D5185m 3 Zinc ppm ASTM D5185m <1	Boron	ppm					
Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 8 Phosphorus ppm ASTM D5185m 3 Zinc ppm ASTM D5185m <1		ppm			-		
Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 8 Phosphorus ppm ASTM D5185m 3 Zinc ppm ASTM D5185m <1		ppm			-		
Calcium ppm ASTM D5185m 8 Phosphorus ppm ASTM D5185m 3 Zinc ppm ASTM D5185m <1	Manganese	ppm	ASTM D5185m		1		
Phosphorus ppm ASTM D5185m 3 Zinc ppm ASTM D5185m <1	Magnesium	ppm	ASTM D5185m		0		
Zinc	Calcium	ppm	ASTM D5185m		8		
Sulfur ppm ASTM D5185m 3433 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 2 Sodium ppm ASTM D5185m 2 Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 NEG VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Poebris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scal	Phosphorus	ppm	ASTM D5185m		3		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m <1	Zinc	ppm	ASTM D5185m		<1		
Silicon	Sulfur	ppm	ASTM D5185m		3433		
Sodium	CONTAMINANTS	6	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 NEG VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML	Silicon	ppm	ASTM D5185m		<1		
Water % ASTM D6304 NEG VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML	Sodium	ppm	ASTM D5185m		2		
VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Dedor scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML The scalar *Visual NORML NORML	Potassium	ppm	ASTM D5185m	>20	0		
White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual NEG	Water	%	ASTM D6304		NEG		
Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Scalar *Visual NONE NONE Scalar *Visual NONE NONE Scalar *Visual NONE NONE Scalar *Visual NORML NORML	White Metal	scalar	*Visual	NONE			
Silt scalar *Visual NONE NONE Scalar *Visual NONE NONE NONE Scalar *Visual NONE NONE NONE Scalar *Visual NONE NONE NONE Scalar *Visual NORML NORML NORML Scalar *Visual NORML NO	Yellow Metal	scalar	*Visual	NONE	NONE		
Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual NEG	Precipitate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual NEG	Silt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML	Debris	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML	Sand/Dirt	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual NEG	Appearance		*Visual	NORML			
Emulsified Water scalar *Visual NEG	Odor	scalar			NORML		
	Emulsified Water						
TOO VVALOI SCAIAI VISUAI INCO	Free Water	scalar	*Visual		NEG		



OIL ANALYSIS REPORT

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



Certificate 12367

Laboratory: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC06176673 **Lab Number** : 06176673 Unique Number : 11022726

Tested Diagnosed

Test Package: TEST (Additional Tests: ICP, KF) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

XAERUS FLUIDS 2825 SCHUETTE RD

MIDLAND, MI US 48642 Contact: BRYAN DOLE

bdole@xaerusfluids.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

: 10 May 2024

: 16 May 2024

: 16 May 2024 - Jonathan Hester

F: