

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

QUINSYN PLUS [OIL-44022] Machine Id QUINCY ITJ130986- GREENBRIER PLASMA TABLE Component

Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

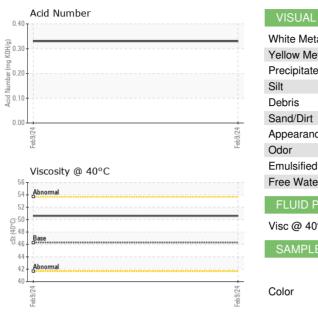
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Feb2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06097852		
Sample Date		Client Info		09 Feb 2024		
Machine Age	hrs	Client Info		12470		
Oil Age	hrs	Client Info		10449		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	4		
Tin	ppm	ASTM D5185m	>15	<1		
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		11		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		<1		
Phosphorus	ppm	ASTM D5185m		0		
Zinc	ppm	ASTM D5185m		50		
Sulfur	ppm	ASTM D5185m		47		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33		



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	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
-eb 9//							
Labor							
	Emulsified Water	scalar	*Visual	>0.1			
	Free Water	scalar	*Visual		NEG		
	FLUID PROPER	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	46.3	50.6		
	SAMPLE IMAG	FS	method	limit/base	current	historv1	history2
1		L0	methou	iiiiii/base	current	Thistory	TIIStOLYZ
Feb 9/24	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						
	Ferrous Alloys						
	¹⁰						
	8 iron						
	o minimum niekol						
	² 4-						
	2 -						
	0						
	49/24			sb 9/24			
				ц.			
	Non-ferrous Met	als					
	copper						
	c tin						
	dd 4-						
	2						
	9/24			9/24			
	E			3			
	Viscosity @ 40°	2			Acid Number		
	55 Abnormal			<u>,</u> 0.40			
				HO N 30			
	() 50						
	() 50 - Base 85 45 -			0.20	-		
	ු 50 - Base දී 45 - Abnormal			(6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7			
	Abnormal						
	Abnormal						2
	Abnormal			010 Percent D10 Percent D20 Pe	Feb9/24		L-t-D-D-K
Laboratory Sample No. Lab Number Unique Number	: WearCheck USA - 5 : UCH06097852 : 06097852 : 10896082	501 Madiso Recei Teste Diagn	ved : 22 d : 23	Feb9/24	JOHN Baldridge		ER COMPAN RGET STREE NT LOUIS, MO US 6313
Sample No. Lab Number Unique Number Test Package	: WearCheck USA - 5 : UCH06097852 : 10896082 : IND 2	Recei Teste Diagn	ved : 22 d : 23 losed : 25	7, NC 27513 2 Feb 2024 3 Feb 2024 Feb 2024 - Don	JOHN Baldridge	4700 LEBOUF SAII ntact: RACHEL	ER COMPAN RGET STREE NT LOUIS, M US 6313 VON HATTEI
Sample No. Lab Number Unique Number Test Package sample report	: WearCheck USA - 5 : UCH06097852 : 06097852 : 10896082	Recei Teste Diagn	ved : 22 d : 23 losed : 25	7, NC 27513 2 Feb 2024 3 Feb 2024 Feb 2024 - Don	JOHN Baldridge	4700 LEBOUF SAII ntact: RACHEL rvonh	ER COMPAN RGET STREE NT LOUIS, MO US 6313
	Feb3/24	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water Fluid PROPER Visc @ 40°C SAMPLE IMAG Color Bottom GRAPHS Ferrous Alloys	Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar Free Water scalar Color cSt SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Use GRAPHS Ferrous Alloys Use Graphes Non-ferrous Metals	Silt scalar *Visual Debris scalar *Visual Appearance scalar *Visual Odor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual FLUID PROPERTIES method Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method Color Bottom GRAPHS Ferrous Alloys 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Silt scalar Visual NONE Debris scalar Visual NONE Sand/Dirt scalar Visual NONE Appearance scalar Visual NORML Odor scalar Visual NORML Odor scalar Visual NORML Emulsified Water scalar Visual Sol1 Free Water Sol1 SAMPLE IMAGES Method Imit/Dase Color Bottom Sol1 Free Water Sol1 Sol1 Free Water Sol1 Free Wate	Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG Free Water scalar *Visual NORML NORML Visc @ 40°C cSt ASTM D445 46.3 50.6 SAMPLE IMAGES nethod Imit/base current Visc @ 40°C cSt ASTM D445 46.3 50.6 Color Color Color Color Color On-ferrous Metals	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 NORML Visc @ 40°C cSt ASTM D445 46.3 50.6 SAMPLE IMAGES method Imit/base current history1 Color no image Bottom no image Reacting the scalar sc

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Contact/Location: RACHEL VON HATTEN - UCJOHSAI