

Machine Id UNISON UP6-100-300-HS Component Compressor Fluid UNISON (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		SYN0000094	SYN0000025	
	Sample Date		Client Info		24 Jan 2024	12 Sep 2023	
	Machine Age	hrs	Client Info		18031	16333	
	Oil Age	hrs	Client Info		3513	2070	
	Filter Age	hrs	Client Info		3513	2070	
	Oil Changed		Client Info		Not Changd	N/A	
	Filter Changed		Client Info		Not Changd	N/A	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>50	0	<1	
	Chromium	ppm	ASTM D5185m		0	0	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	0	0	
	Lead	ppm	ASTM D5185m	>25	0	0	
	Copper	ppm	ASTM D5185m	>50	0	0	
	Tin	ppm	ASTM D5185m	>15	<1	0	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	1	2	
	Potassium	ppm	ASTM D5185m	>20	<1	2	
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Water	%	ASTM D6304	>0.1	0.006	0.002	
	ppm Water	ppm	ASTM D6304	>1000	66	21.9	
	Particles >4µm		ASTM D7647	>10000	327	1452	
	Particles >6µm		ASTM D7647	>2500	107	301	
	Particles >14µm		ASTM D7647	>320	18	29	
	Particles >21µm		ASTM D7647	>80	6	6	
	Particles >38µm		ASTM D7647	>20	0	0	
	Particles >71µm		ASTM D7647	>4	0	0	
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	16/14/11	18/15/12	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	<1	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		0	0	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	0	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		0	<1	
	Calcium	ppm	ASTM D5185m		0	0	
	Phosphorus	ppm	ASTM D5185m		<1	4	
	Zinc	ppm	ASTM D5185m		0	0	
	Culture	10.10.100	ACTN DETCE		400	000	

Sulfur

ppm ASTM D5185m

Acid Number (AN) mg KOH/g ASTM D8045

Visc @ 40°C cSt ASTM D445

Contact/Location: CALEB HINDERLITER - CGRFORCO

129

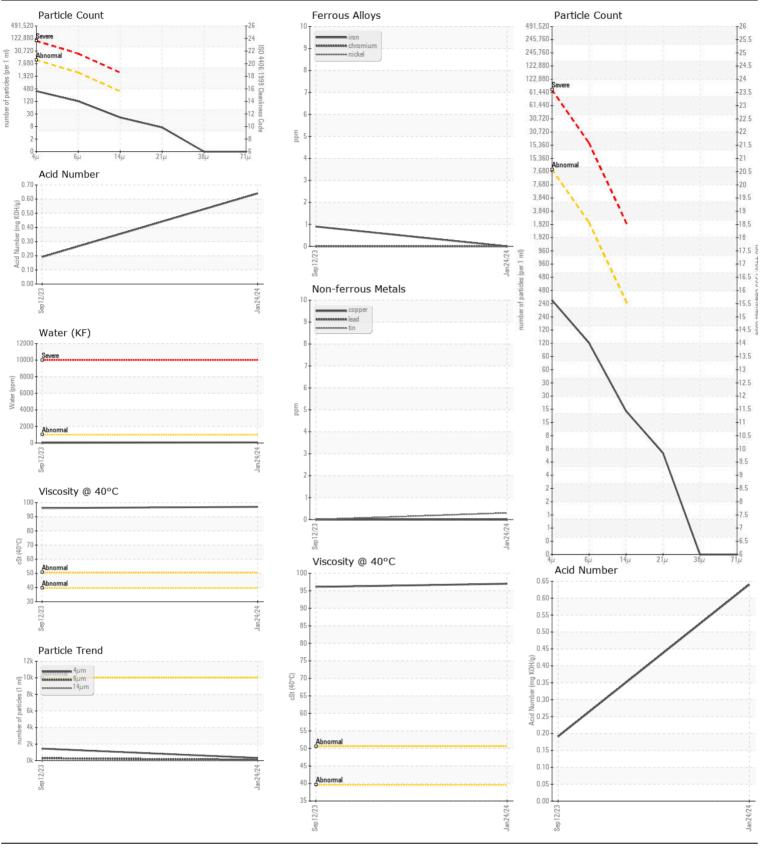
0.64

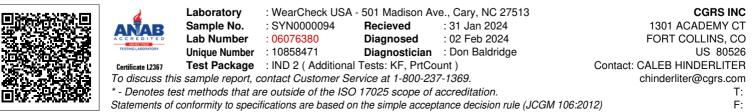
97.0

286

0.191

96.1





56

Contact/Location: CALEB HINDERLITER - CGRFORCO

Page 2 of 2