

WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

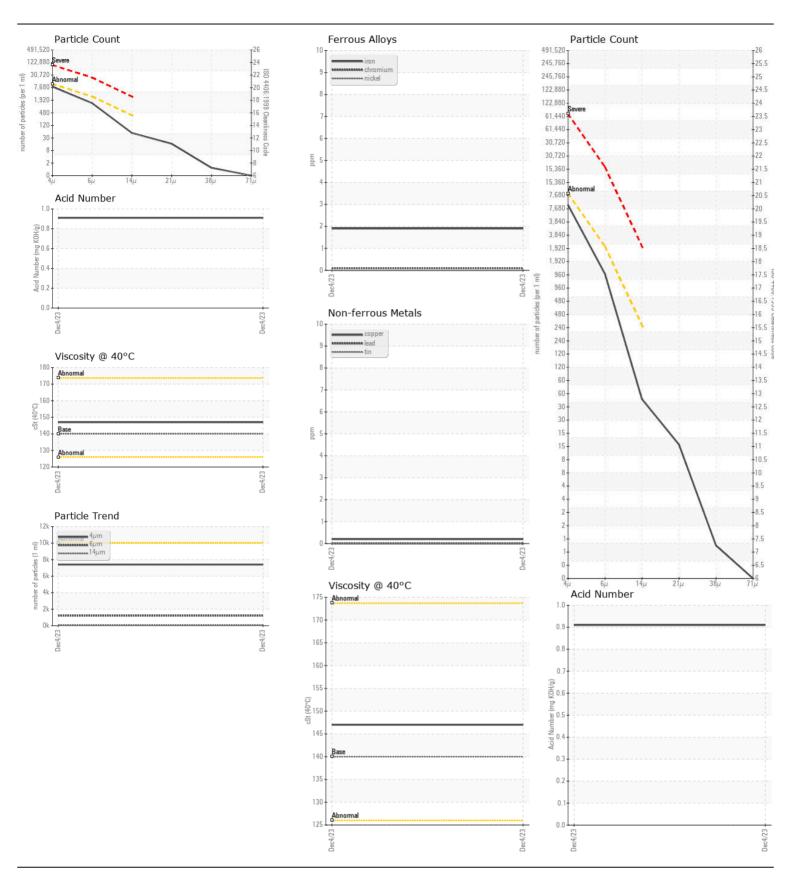
IRIG [6341011]

IRIG-RF-DW-2302 IRIG-RF-DW-2302 DRAW WORKS

Component Gearbox

1 S 80/W00 (40 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm.	Sample Number		Client Info		HLC0002794		
	Sample Date		Client Info		04 Dec 2023		
	Machine Age	mths	Client Info		0		
	Oil Age	mths	Client Info		0		
	Filter Age	mths	Client Info		2		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	>200	2		
	Chromium	ppm	ASTM D5185m	>15	<1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	2		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	2		
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.	Potassium	ppm	ASTM D5185m	>20	<1		
	Water		WC Method	>0.2	NEG		
	Particles >4µm		ASTM D7647	>10000	7401		
	Particles >6µm		ASTM D7647		1215		
	Particles >14μm		ASTM D7647	>320	46		
	Particles >21μm		ASTM D7647	>80	14		
	Particles >38μm		ASTM D7647		1		
	Particles >71μm		ASTM D7647	>4	0		
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/17/13		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	LIGHT		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
	Boron	ppm	ASTM D5185m	150	133		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m	10	<1		
	Calcium	ppm	ASTM D5185m	70	3		
	Phosphorus	ppm	ASTM D5185m		520		
	Zinc	ppm	ASTM D5185m		0		
	Sulfur	ppm		20000	10909		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.91		
	Visc @ 40°C	cSt	ASTM D445	1.10	147		





Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: HLC0002794 : 06044056 : 10804664

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 22 Dec 2023 : 27 Dec 2023 Diagnosed

: Wes Davis Diagnostician Test Package : IND 2 (Additional Tests: PrtCount)

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

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