

WEAR CONTAMINATION **FLUID CONDITION**

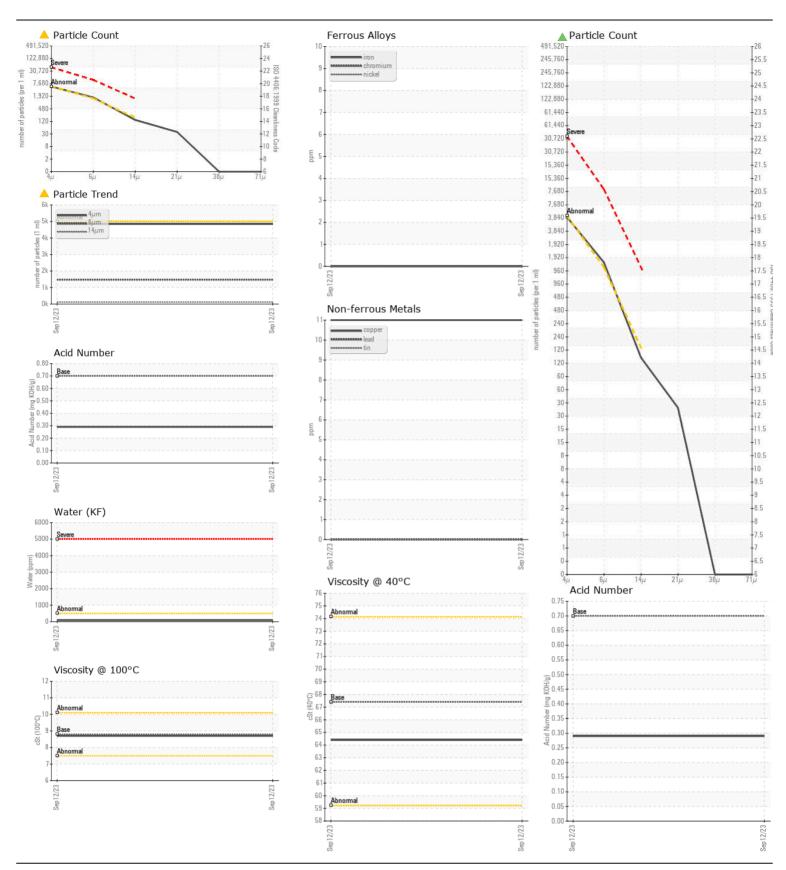
NORMAL ATTENTION NORMAL

EMPW

260-12-1036 (S/N 820366)

Component Hydraulic System Fluid

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you service the filters on this component. Resample at the next service interval to monitor.	Sample Number	COIVI	Client Info	LITHUAUIT	TO5003289		
	Sample Date		Client Info		12 Sep 2023		
	Machine Age	hrs	Client Info		4529		
	Oil Age	hrs	Client Info		4529		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ATTENTION		
WEAR	Iron	ppm	ASTM D5185m	>20	0		
WEAR	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	720	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	0		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		11		
	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	>15	1		
	Potassium	ppm	ASTM D5185m	>20	2		
There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.	Water	%	ASTM D6304	>0.05	0.009		
	ppm Water	ppm	ASTM D6304	>500	95		
	Particles >4µm		ASTM D7647	>5000	4843		
	Particles >6µm		ASTM D7647	>1300	1477		
	Particles >14μm		ASTM D7647	>160	123		
	Particles >21µm		ASTM D7647	>40	33		
	Particles >38µm		ASTM D7647	>10	0		
	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	1 9/18/14		
	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	>0.05	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
	Boron	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is	Barium	ppm	ASTM D5185m		0		
suitable for further service.	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		69		
	Calcium	ppm	ASTM D5185m		92		
	Phosphorus	ppm	ASTM D5185m	425	289		
	Zinc	ppm	ASTM D5185m		370		
	Sulfur	ppm	ASTM D5185m		3352		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.29		
	Visc @ 40°C	cSt	ASTM D445		64.4		
	Visc @ 100°C	cSt	ASTM D445		8.7		
	Viscosity Index (VI)		ASTM D2270		107		





Certificate L2367

Laboratory Sample No. **Lab Number Unique Number**

: 06036075

: TO5003289 : 10791304

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 15 Dec 2023 Recieved Diagnosed : 18 Dec 2023 Diagnostician : Wes Davis

Test Package : IND 2 (Additional Tests: KF, KV100, VI)

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)

JAMAK FABRICATION

1401 NORTH BOWIE DRIVE WEATHERFORD, TX US 76086

Contact: LARRY NORRIS

lano@jamak.com

T: F: