

## Machine Id JOHN DEERE 643L-II 1DW643LBTNF714104 Componer **Rear Differential** JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

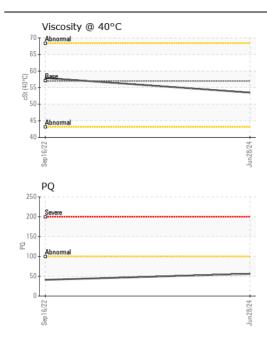
DECOMMENDATION							
Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0224988		
	Sample Date	la una	Client Info		28 Jun 2024		
	Machine Age	hrs	Client Info		1973	463	
	Oil Age	hrs	Client Info		0	463	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				NORMAL	NORMAL	
WEAR	PQ		ASTM D8184		56	41	
	Iron	ppm	ASTM D5185m	>500	79	107	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	1	1	
	Nickel	ppm	ASTM D5185m	>10	<1	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m		<1	0	
	Aluminum	ppm	ASTM D5185m	>25	1	2	
	Lead	ppm	ASTM D5185m	>25	<1	2	
	Copper	ppm	ASTM D5185m	>100	7	8	
	Tin	ppm	ASTM D5185m	>10	0	<1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	6	6	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		0	0	
	Water	ppin	WC Method	>.2	NEG	NEG	
	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		*Visual	>.2	NEG	NEG	
	C a diwaa				•••••		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	0	3	4	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		0	1	
	Barium	ppm	ASTM D5185m		<1	4	
	Molybdenum	ppm	ASTM D5185m ASTM D5185m	0	1	<1	
	Manganese	ppm		14E	2	4	
	Magnesium	ppm	ASTM D5185m		80	94	
	Calcium	ppm	ASTM D5185m		3077	3320	
	Phosphorus	ppm	ASTM D5185m		1023	929	
	Zinc	ppm	ASTM D5185m	1040	1173	1184	
	Sulfur	ppm	ASTM D5185m		3832	3779	

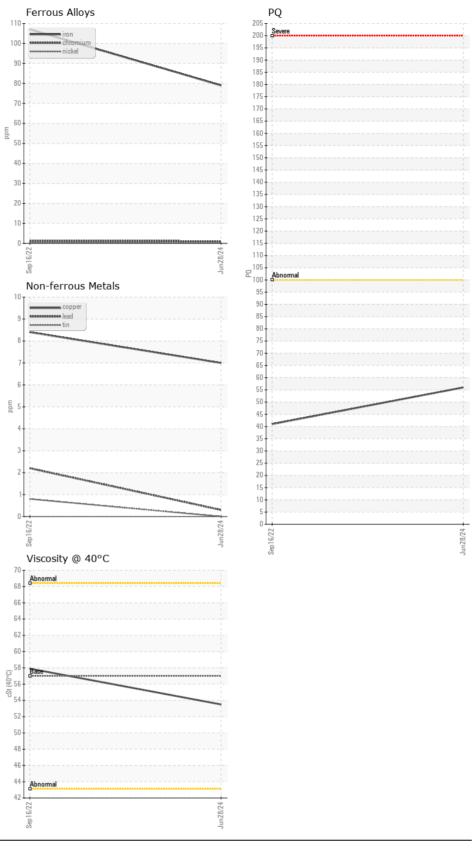
Visc @ 40°C

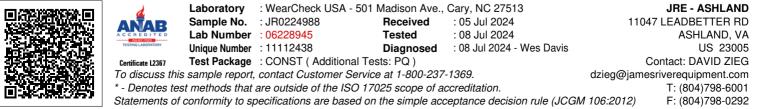
cSt

ASTM D445 57.0 53.5 Contact/Location: DAVID ZIEG - JAMASH

57.9







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