WEAR CONTAMINATION FLUID CONDITION

ABNORMAL

NORMAL

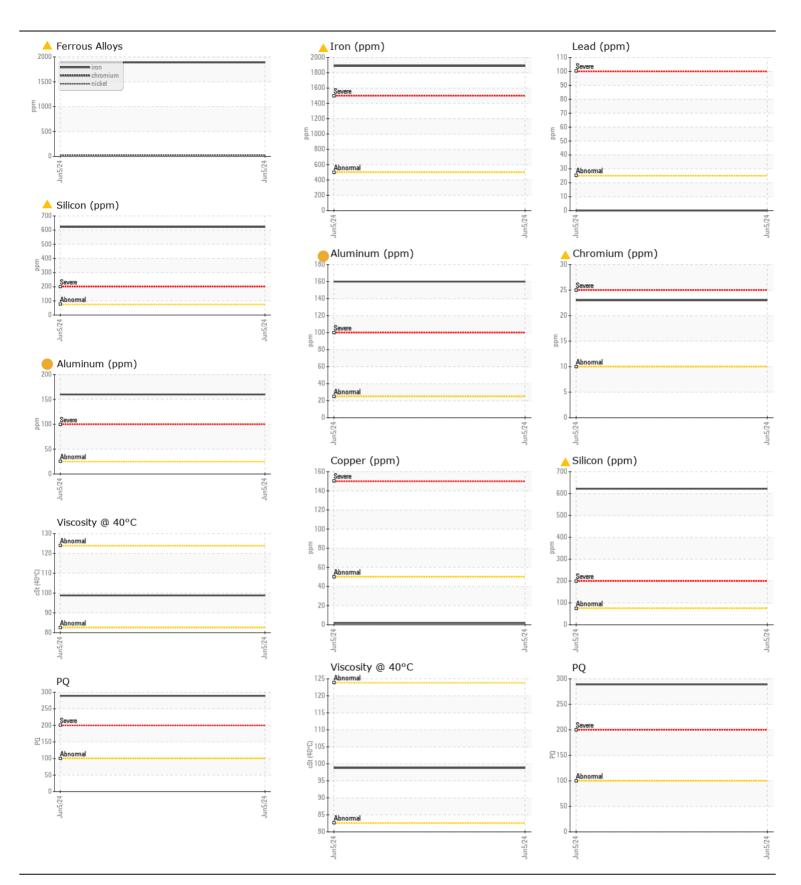
Machine Id

KUBOTA KX40 KX3 (S/N 31539)

Right Final Drive

TOTAL FINA TOTAL TRANSMISSION SYN NA 75W90 (--- LTR)

RECOMMENDATION			Mothad	Limit/Ah.	Current	Liotom 4	Lliotom ()
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.	Test Sample Number	UOM	Method Client Info	Limit/Abn	Current WC796259	History1	History2
	Sample Date	hrs	Client Info		05 Jun 2024 0		
	Machine Age				250		
	Oil Age	hrs	Client Info				
	Filter Age	hrs	Client Info		O Channad		
	Oil Changed				Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAR	PQ		ASTM D8184*		289		
Chromium and iron ppm levels are abnormal. Aluminum ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.	Iron	ppm	ASTM D5185(m)	>500	1889		
	Chromium	ppm	ASTM D5185(m)	>10	2 3		
	Nickel	ppm	ASTM D5185(m)	>10	4		
	Titanium	ppm	ASTM D5185(m)		11		
	Silver	ppm	ASTM D5185(m)		0		
	Aluminum	ppm	ASTM D5185(m)	>25	160		
	Lead	ppm	ASTM D5185(m)	>25	0		
	Copper	ppm	ASTM D5185(m)	>50	2		
	Tin	ppm	ASTM D5185(m)	>10	0		
	Vanadium	ppm	ASTM D5185(m)		0		
	White Metal	scalar	Visual*	NONE	VLITE		
	Yellow Metal	scalar	Visual*	NONE	NONE		
CONT ABBIN A TION							
CONTAMINATION Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component.	Silicon	ppm	ASTM D5185(m)	>75	▲ 622		
	Potassium	ppm	ASTM D5185(m)		60		
	Water		WC Method		NEG		
	Silt	scalar	Visual*	NONE	LIGHT		
	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*	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		26		
Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.	Boron	ppm	ASTM D5185(m)		132		
	Barium	ppm	ASTM D5185(m)		2		
	Molybdenum	ppm	ASTM D5185(m)		0		
	Manganese	ppm	ASTM D5185(m)		14		
	Magnesium	ppm	ASTM D5185(m)		46		
	Calcium	ppm	ASTM D5185(m)		182		
	Phosphorus	ppm	ASTM D5185(m)		1045		
	Zinc	ppm	ASTM D5185(m)		22		
	Sulfur	ppm	ASTM D5185(m)		21830		
	Visc @ 40°C	cSt	ASTM D7279(m)		98.8		
							MODNIAD





CALA ISO 17025:2017 Accredited

Laboratory

Sample No. Lab Number

Laboratory

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 MORVEN CONSTRUCTION LIMITED : WC796259 : 02640318

Received **Tested** Unique Number : 5789480 Diagnosed Test Package: MOB 1 (Additional Tests: PQ)

: 06 Jun 2024 : 07 Jun 2024

: 07 Jun 2024 - Kevin Marson

P.O. BOX 10 NAPANEE, ON CA K7R 3L4 Contact: Rene Doornekamp

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

morven@kos.net T: (613)354-9768 F: (613)354-2302