



Date:	03.09.2021	Typ of Machine :	WASA DREDKING
Reportnumber :	AR2108273	Serial Number :	HYDRAULIC SYSTEM
Lab.nr.:	08.273	Operating hours :	4040
Check :	S/S/S	Typ of oil:	SHELL TELLUS S2 M32
Customer :	MASINO		4040
Reference:		Number of operating hours since last oil change :	
		Sampling date :	18.08.2021 / FILTRATION : YES
		Sampling location :	FROM TANK

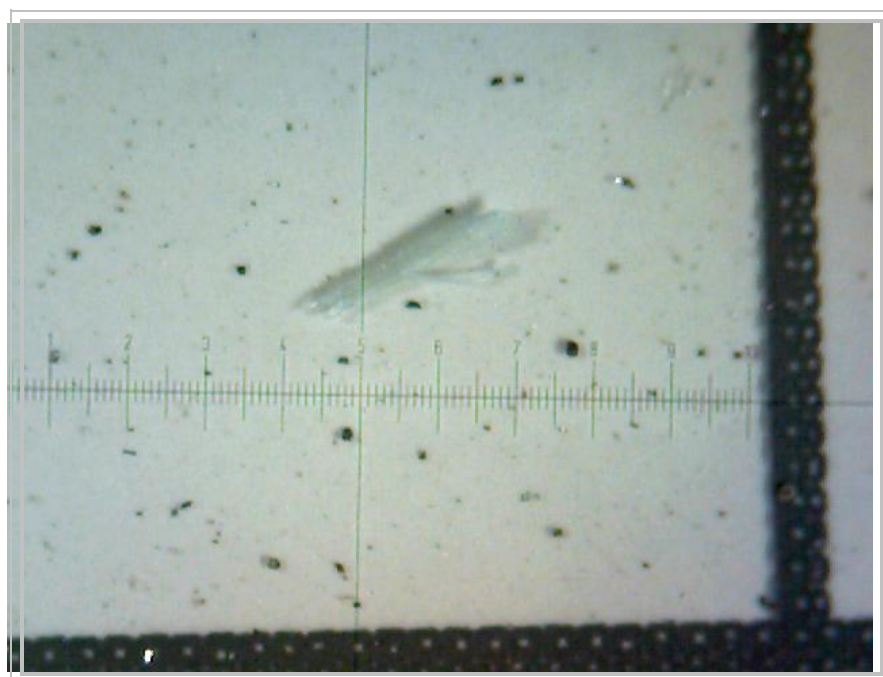
OIL IS CONTAMINATED, CONTAINS A LOT OF PARTICLES < 6 AND > 70 MICRON + FIBRES.  
 CHECK FILTERSYSTEM. PQ INDEX FALLS WITHIN SPECIFICATIONS (<25).  
 CHEMICAL, THE OIL FALLS FURTHER WITHIN SPECIFICATIONS.  
 THE OIL IS AFTER ELEMENTCHANGE OR BYPASS FILTRATION, SUITABLE FOR FURTHER USE.  
 SEND NEW SAMPLE AFTERWARDS.



CHARACTERISTICS FROM OIL							CONTAMINATION						
AR-nr.	Emulsion characteristics (ASTM D1401) @54.4°C	Foam Test 24°C,5 min. (ml) Seq.1	PQ	ISO 4406 >4 >6 >14 micron	SAE AS 4059	Visc 40°C ASTM D 445 cSt	MPC	RPVOT MIN	LAV min	RUL% AMINES	RUL% PHENOL EN	TAN ASTM D 664 mgKOH/g	Water ASTM D 6304 METHOD C ppm
AR2108273	--	--	8	21/19/15	A-11	31.50	--	--	--	--	--	0.39	39

ICP ( ATOMIC EMISSION METHOD )									WEAR ELEMENTS (ppm)									
AR-nr.	Na	B	Zn	P	Ca	Mg	S	Ti	Ag	Ni	Si	Fe	Cr	Mo	Al	Cu	Pb	Sn
AR2108273	0	0	340	281	44	0	3011	0	0	0	1	1	0	0	0	0	0	0

Normal    Caution    Serious



Membrane 0.8 micron Volume 100 ml Magnification : 40 x 1 div. = 10 micrometer

Value in µm	Average of all counts converted to particles in 100ml oil	SAE AS 4059	
> 4	1588270	A	11
> 6	399000	B	11
> 14	18840	C	9
> 21	5580	D	10
> 38	490	E	9
> 70	60	F	8