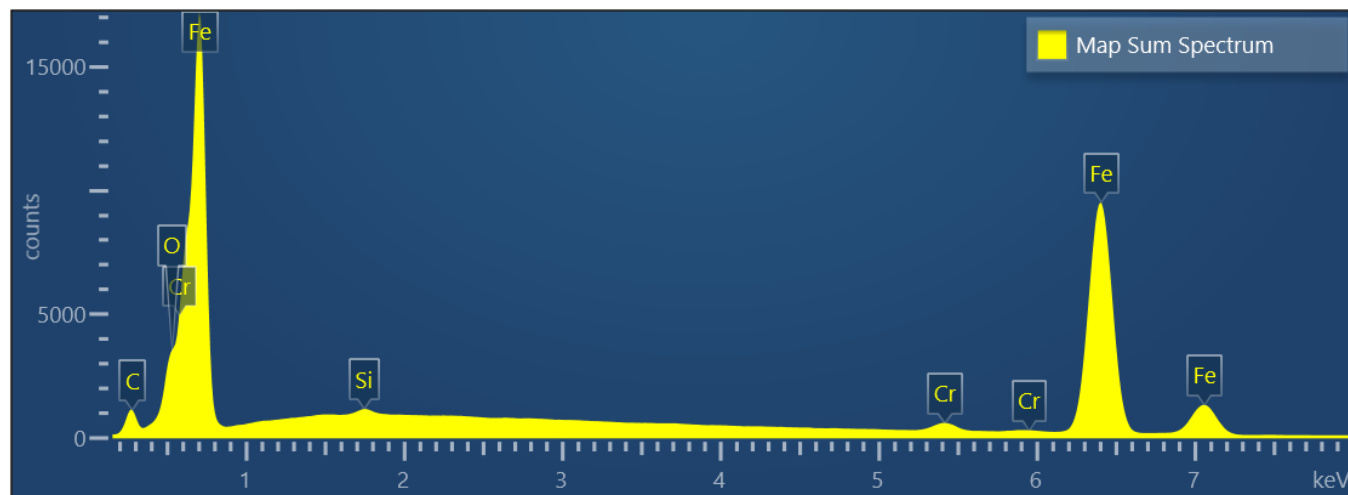
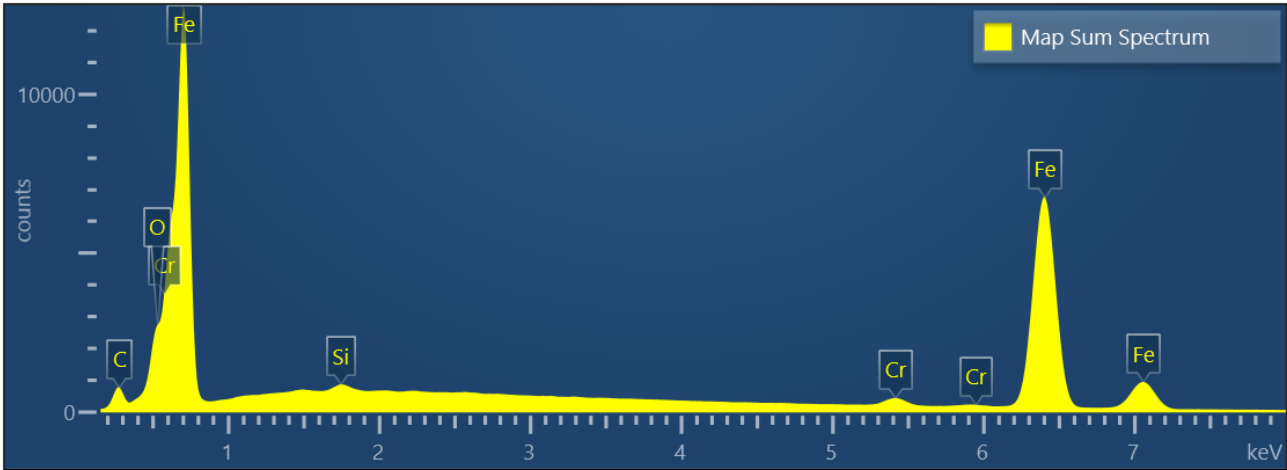


EDS result for worn scar of the pin (AISI52100) sliding against disk (AISI52100) lubricated by POE Oil (Lubricant sample L1)



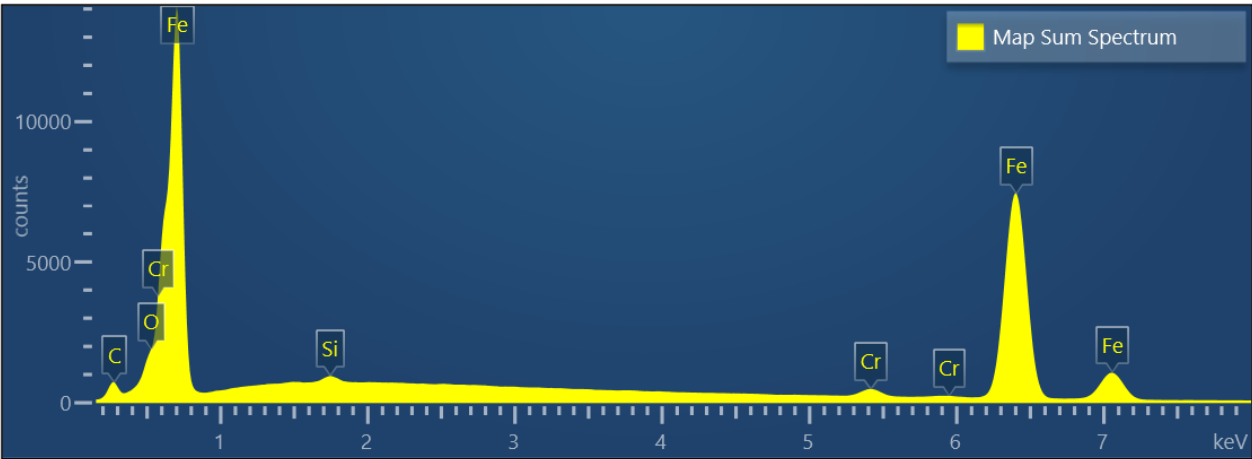
Map Sum Spectrum				
Element	Line Type	Weight %	Weight % Sigma	Atomic %
C	K series	4.80	0.13	18.17
O	K series	2.00	0.06	5.70
Si	K series	0.20	0.03	0.33
Cr	K series	1.43	0.06	1.25
Fe	K series	91.56	0.15	74.55
Total		100.00		100.00

EDS result for worn scar of the pin (AISI52100) sliding against disk (AISI52100) lubricated by POE Oil containing Graphene nanoplatelets - (Lubricant sample L2)



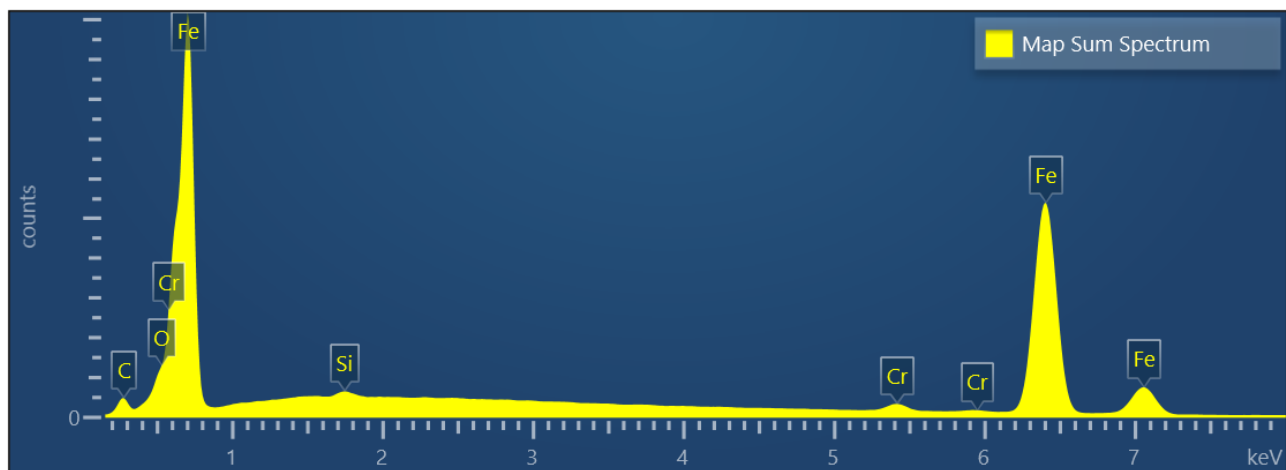
Map Sum Spectrum				
Element	Line Type	Weight %	Weight % Sigma	Atomic %
C	K series	4.38	0.15	16.72
O	K series	2.21	0.07	6.33
Si	K series	0.24	0.03	0.39
Cr	K series	1.50	0.07	1.32
Fe	K series	91.67	0.18	75.23
Total		100.00		100.00

EDS result for worn scar of the pin (AISI52100) sliding against disk (AISI52100) lubricated by POE Oil containing Bacterial Cellulose - (Lubricant sample L3)



Map Sum Spectrum				
Element	Line Type	Weight %	Weight % Sigma	Atomic %
C	K series	3.56	0.15	14.39
O	K series	0.69	0.06	2.08
Si	K series	0.26	0.03	0.45
Cr	K series	1.59	0.07	1.48
Fe	K series	93.91	0.17	81.60
Total		100.00		100.00

EDS result for worn scar of the pin (AISI52100) sliding against disk (AISI52100) lubricated by POE Oil containing Bacterial Cellulose and Graphene nanoplatelets - (Lubricant sample L4)



Map Sum Spectrum				
Element	Line Type	Weight %	Weight % Sigma	Atomic %
C	K series	3.36	0.17	13.69
O	K series	0.60	0.07	1.82
Si	K series	0.22	0.03	0.38
Cr	K series	1.49	0.08	1.40
Fe	K series	94.34	0.20	82.70
Total		100.00		100.00